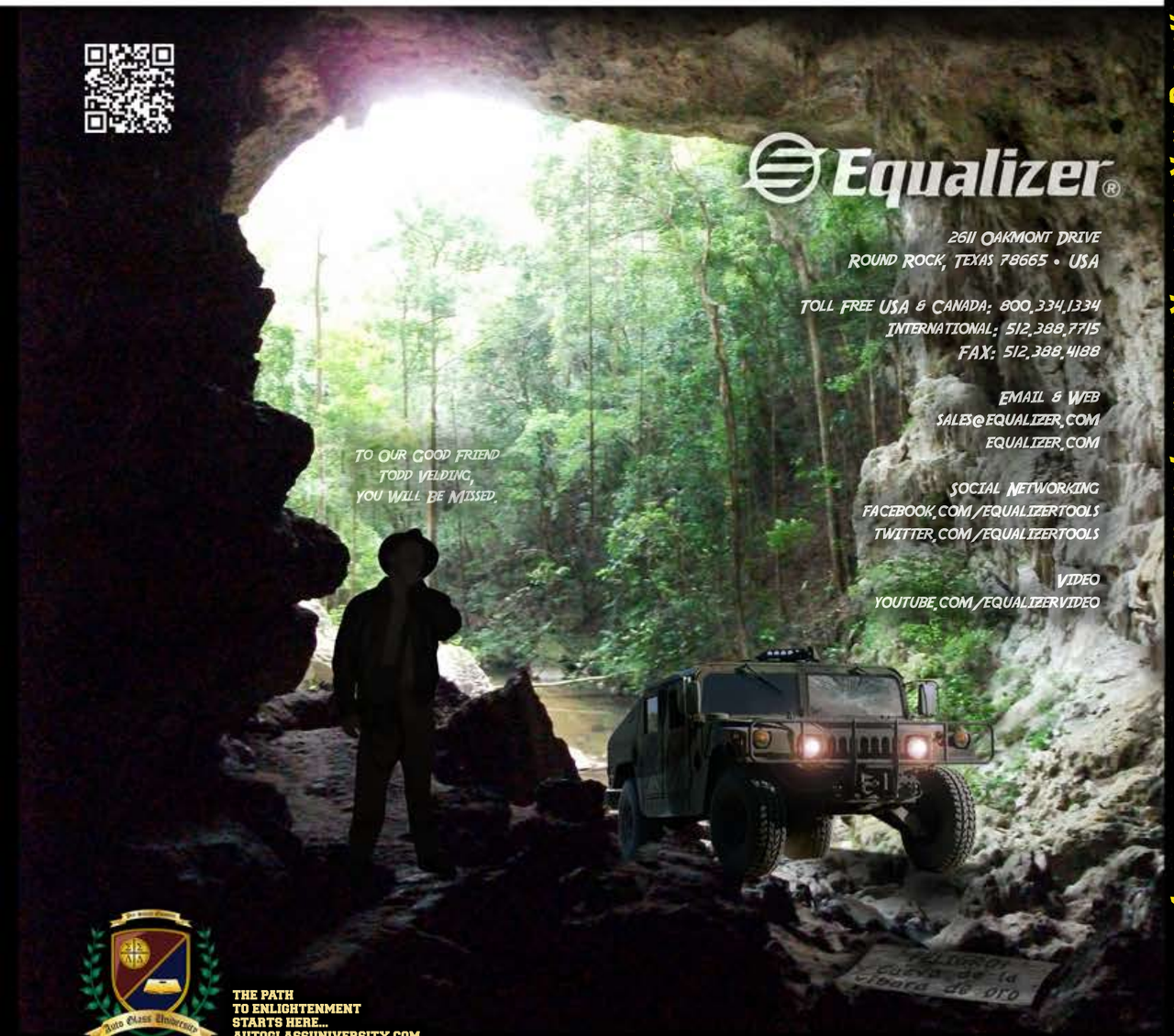

Equalizer®

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TO OUR GOOD FRIEND
TODD WELDING,
YOU WILL BE MISSED.

Auto Glass University
Equalizer

THE PATH
TO ENLIGHTENMENT
STARTS HERE...
AUTOGLASSUNIVERSITY.COM

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AUTO GLASS REMOVAL & REPLACEMENT TECHNOLOGY VOLUME 25

Equalizer®

REMOVE
WINDSHIELDS
&
QUARTER GLASSES
EASIER THAN
EVER BEFORE!

VIPER

INTRODUCING THE ALL NEW
VIPER™

For over 20 years, this space in our catalog has been reserved for an industry commentary or hopeful desire for the future of this industry. Dad and I would work on this opening statement for several weeks prior to a new catalog launch. Sometimes we picked an easy topic to weigh in on and sometimes it would be more controversial. The bottom line was that we wanted to convey that we are in this industry for the long haul, that we cared about the art of auto glass removal and replacement and the battle that hard-working technicians face while just trying to make a living. It is because of Dad's high regard for the industry that the tools and products you see in our catalog are not decided upon lightly. A lot of time, analysis and "hopeful foresight" are wrapped up into each item. Over the years, there have been many ideas presented to us. Some of these we've passed on because in our opinion they may not be safe, suitable or of the caliber of quality a technician needs.

When I was growing up, my Dad regarded the job he did as a trade, something to be proud of. It seems that today, there is a growing attitude in the industry to generalize the true art of auto glass work. This is unfortunate because you simply cannot handle every vehicle, new or old, the same way every time. There is not one tool or one method to remove every glass. Every vehicle is different and has to be handled in its own fashion; model-to-model, automobile-to-automobile and technician-to-technician. There are so many different variables when removing or replacing a vehicles glass that it is necessary to have as many options as possible at your fingertips in order to do the job the fastest and safest way. This is the only answer to this industry's success. This is what Equalizer strives to provide.

In 2013, we implemented new ways to better serve the auto glass community. One major change was redesigning and maximizing our supply efforts in order to better support our authorized distributor network. When technicians call Equalizer today to place an order, they are redirected to a local authorized Equalizer distributor to purchase our products. These authorized distributors have been, and will continue to be, trained on how our tools work and supplied with the knowledge to make sure a technician walks away with the right tools for the job as soon as possible. We also work closely with each and every one to make sure they stock adequate supplies of the products a technician needs today. This has proven to speed up the time it takes for people to get what they need and get back out there on the job.

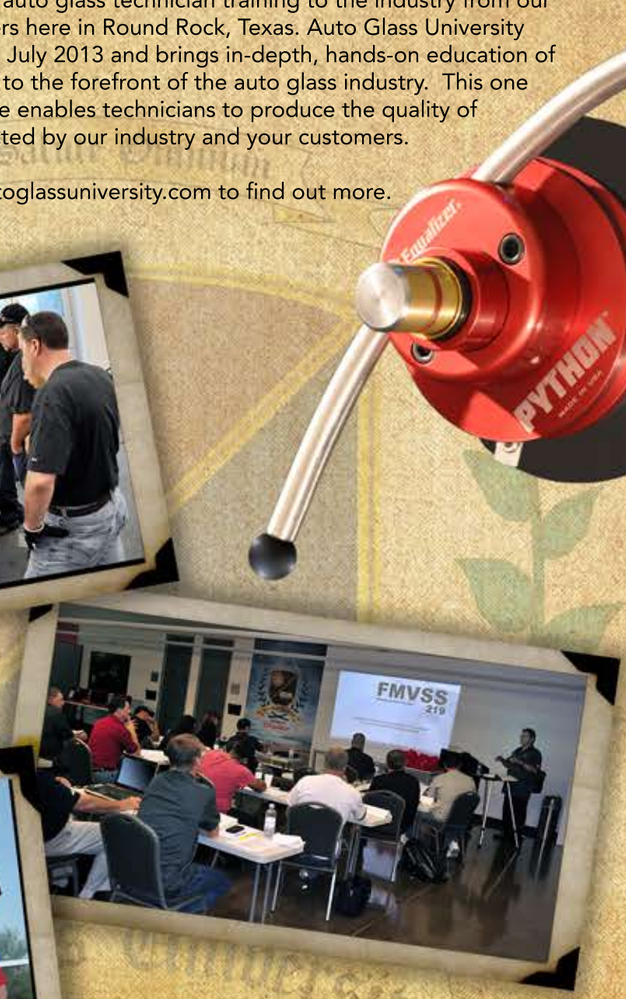
Because of your continued support and trust, Equalizer continues to be the world-leader in auto glass and replacement technology. If you have questions or concerns about any Equalizer product, service or program, please feel free to contact us.

We hope you enjoy a prosperous 2014.

AUTO GLASS UNIVERSITY
PRO SALUTE OMNIUM
AGU
Powered By Equalizer
GRADUATE

An exciting venture we began this past year was teaming up with industry leader, Bob Beranek and his company, Auto Glass Consultants to bring world-class auto glass technician training to the industry from our headquarters here in Round Rock, Texas. Auto Glass University launched in July 2013 and brings in-depth, hands-on education of technicians to the forefront of the auto glass industry. This one week course enables technicians to produce the quality of work expected by our industry and your customers.

Visit www.autoglassuniversity.com to find out more.



UNBIASED, UP-TO-DATE TRAINING FOR THE AUTO GLASS INDUSTRY

Located in Equalizer's corporate headquarters in Round Rock, Texas, Auto Glass University will provide unbiased, up-to-date information and training to the auto glass industry in an affordable and hands-on, instructor driven context. Courses will consist of modules that are comprehensive, concise, and pertinent to the duties of the auto glass professional; focusing on technical training, management, customer service and safety.

Auto Glass University also offers Auto Glass Technician and Master Technician AGRSS certifications. Already certified but your certification has expired? No problem, you can take your re-certification tests with AGU!

AGU is specifically designed to teach the criteria of NGA/IGA Certification and ANSI/AGRSS Replacement Standard. Through our contacts in the industry, we collect, correlate and deliver the information you need to produce the quality work expected by our industry and our customers.

Each class will feature a supplier event on the next-to-last night of each scheduled class week. Students can interact and receive additional or specialized information from representatives from various companies.

Pro Salute Omnium

Auto Glass University

POWERED BY Equalizer

Class Scheduling & Administration
Contact: ANN SCHUELKE
EMAIL: ann@autoglassuniversity.com • PH: 800-695-5418

Scholarship Opportunities Available
www.equalizer.com/agu/scholarships.html

Sponsorship Opportunities Available
www.equalizer.com/agu/sponsors.html

WWW.AUTOGLASSUNIVERSITY.COM

Project Invention

Have you invented or developed an original tool or idea that you feel others may benefit from? Equalizer Industries, Inc., may be interested in evaluating your idea/invention. Your invention could be produced and sold by Equalizer Industries, Inc., under an attractive award or royalty agreement that will bring you income for years. If you have such an invention and are interested, please follow these two steps:

1. Visit our website www.equalizer.com, write or call Equalizer Industries, Inc., at 1-800-334-1334 and request an invention disclosure agreement.

2. Return the signed agreement to Equalizer Industries, Inc., along with your invention. Equalizer Industries, Inc., will promptly evaluate your invention and notify you if an award or royalty is possible.

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Prices
All prices are subject to change without notice.

Products
Exact color and style of products may vary from depicted images due to supplier changes.

2014 Featured New Products

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RAPIDFIX® • Page 101

Clear Headliner Protector • Page 49

Viper™ Wire Removal Tool • Page 47

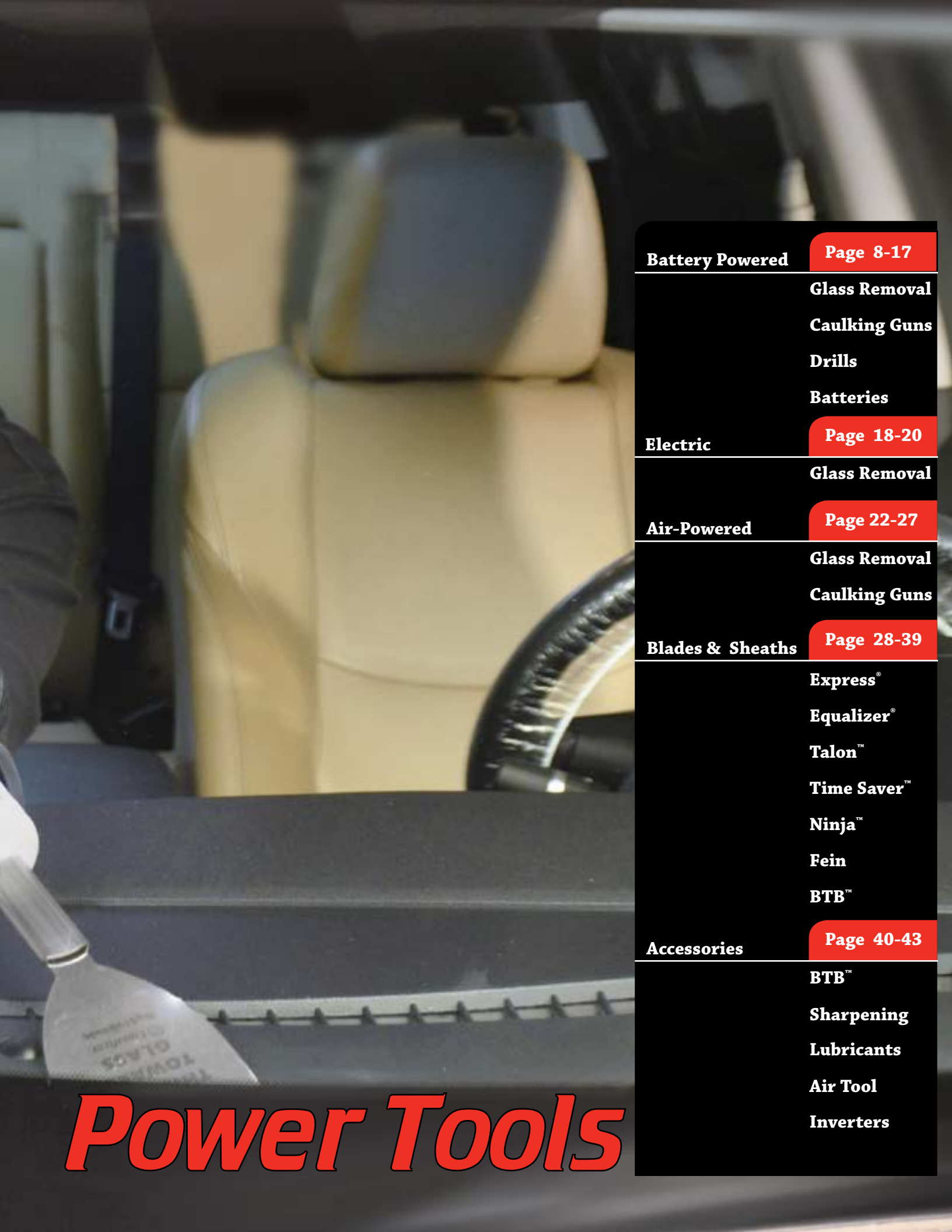
Foam Tool Tray • Page 96

O2 Hurricane Canless Air System • Page 72

A-Pillar Release Tool • Page 94

POWERPUSH® 5026 • Page 13

Loop Wire Starter • Page 51



Power Tools

Battery Powered — Page 8-17
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- Caulking Guns
- Drills
- Batteries

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Air-Powered — Page 22-27
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- Sharpening
- Lubricants
- Air Tool
- Inverters

Scan to Watch Equalizer™ Power Tool Video

Equalizer® Ambush™ Specifications:	
Power Source	20-Volts
Output	20-Volt Battery
Tool Weight (Incl. Battery)	6 lbs.
Strokes Per Minute	0-2,800

ATV2012 • Equalizer® Ambush™

The Equalizer® Ambush™ is designed to cut through the toughest urethane. A heavy-duty 20-Volt motor provides the power to quickly remove the most difficult glass and with the convenience of the battery, there is no need to worry about finding an electrical outlet or extension cords. It has a rubber over molded comfort grip that allows for optimal comfort and control and a quick release blade clamp that makes it fast and easy to change blades on the fly. Each kit comes with a 20-Volt battery, a battery charger, one BFE1400 Blade, one instructional DVD, one pair of safety glasses, and a heavy-duty plastic carrying case.
For additional blade options, see pages 28-29.

20-Volt Batteries & Chargers

DCB101 • 120-Volt, 1-Hour 20-Volt Battery Charger
Can be used with our 20-Volt Battery DCB204.

DCB119 • 12-Volt Auto 20-Volt Li-Ion Battery Charger
Can be used with our 20-Volt Battery DCB204.

DCB204 • 20-Volt Li-Ion Battery
Now a 4.0 Ah high capacity battery pack!

DCB103 • 120-Volt Combination Dual Port Battery Charger
Can be used with our 18-Volt Battery DC9096 and our 20-Volt Battery DCB204.

Scan to Watch Equalizer™ Power Tool Video

Equalizer® Big Dawg™ Specifications:	
Power Source	36-Volts
Output	36-Volt Battery
Fuse	40 Amp.
Tool Weight (Incl. Battery)	9 lbs.
Strokes Per Minute	0-3,200

ATTENTION
Use of any blades other than Equalizer® Blades will damage your tool and void your warranty.

EBD838 • Equalizer® Big Dawg™

The Equalizer® Big Dawg™ is a cordless tool that will give technicians the increased power and run-time that was previously only available with a corded tool. Our Equalizer® Big Dawg™ is a 36-Volt tool that has the ability to deliver 2-3 times more run-time, and 2 times the power of our 20-Volt. It was engineered from the ground up to include new, innovative features while ensuring a design that meets the durability and reliability requirements needed to accommodate this much cordless power. Each kit comes with a 36-Volt battery, a battery charger, one BFE1400 Blade , one instructional DVD, one pair of safety glasses, and a heavy-duty plastic carrying case. For additional blade options, see pages 28-29.

36-Volt Batteries & Chargers

DC9360 • Equalizer® 36-Volt Battery

- Offers up to 2000 recharges
- Weighs only 2.4 Lbs
- No memory
- Will not discharge when unused

DC9000 • Equalizer® 36-Volt Charger

- 120 Volt AC
- One hour charge time
- Battery fuel guage
- Cord wrap for improved storage

BTB E-Tool

Battery Powered

The BTB E-Tool system operates under the same principles as the WK10HD (Air-Powered Tool - Seen on Page 26) but allows for the option of portablility. This tool runs off of a 12-Volt battery pack that comes in a handy carrying bag with a strap which makes it perfect for the mobile technician or body shop where electrical sources are limited.
For additional blade options, see pages 34-40.

E-Tool Technical Data	Specifications
Power Source	12-Volt DC
Free Speed – (strokes per minute)	6,400
Reciprocal Stroke Length	1/8" (4mm) Fixed
Noise	80 dBA
Tool Weight	2.9 lb
Battery & Bag Weight	4.1 lb
Overall Length Incl. Tail For Power Cord	12.4"

A small portable 12-Volt battery is all that's required to power the BTB E-Tool.

Designed for the Existing BTB System Users

ETK1205 Kit Contents:

Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Accessories:
WKGA

Training Package:
Intro & Training DVD, User Manual

BTB 12-Volt Battery & Charger

ETSCAC • BTB 12-Volt Battery Charger

Charges in approximately 1 hr. and 15 min.

ETSB5 • BTB 12-Volt Battery

- Up to 30 minutes of non-stop operating time (depending on the application).
- Weighs only 3.5 lbs.
- Battery life is 300-600 charges.
- Does not include bag

Auto Glass Removal Tool Kits

Designed for the Technician New to BTB Tools

NEW

ETK12STR Kit Contents:

Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Blades:
WK2-S, WK4Z-S, WK27M, WK28M

Packaging:
Plastic Carry Box

Cutting Depth Control Arms
WK11BW5, WK11FW

Accessories:
WK7, WK8DSM, WK9, WK11VEL, WKGA

Training Package:
Intro & Training DVD, User Manual

NEW

ETK12CLS Kit Contents:

Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Blades:
WK2-S, WK3, WK24Z-S, WK24ZR-S, WK27M, WK28M, WK6-M

Packaging:
Plastic Carry Box

Cutting Depth Control Arms
WK11AW, WK11BW5, WK11CW, WK11FW

Accessories:
WK7, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Training Package:
Intro & Training DVD, User Manual

Designed for the Everyday Mobile Technician

Designed for the Mobile Auto Glass Professional

ETK12TEC Kit Contents:

Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Blades:
WK1-S, WK2-S, WK4-S, WK4R-S, WK4Z-S, WK4ZVR-S, WK24Z, WK24-S, WK27M, WK28M, WK6-M

Packaging:
Plastic Carry Box

Cutting Depth Control Arms
WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Training Package:
Intro & Training DVD, User Manual

NEW

QuickIN Cordless Technical Data	Specifications
Power Source	18-Volt
Tool Weight (Including Battery)	4.4 lbs
Rotations Per Minute	11,000-18,500

AFSC18 • Fein® QuickIN Cordless

Now You Can Take Your Fein® Knife Wherever You Go

This is the same great tool as the Fein® QuickIN, but in an 18-Volt Li-Ion battery powered version. The Fein® QuickIN Cordless is a compact tool designed with a short body to reduce vibration and weighs in at just under 4-1/2 lbs, making it easy to take with you wherever you go. It has the same quick change blade feature as the FSC16Q (pg. 20) and can utilize all of the same accessories. Its 18-Volt Li-Ion battery can last up to 30 minutes of non-stop operating time (depending on the application). But even when it's time to charge the battery there is minimal downtime. Just switch it out with the additional battery that comes with your kit, and put the depleted battery on the rapid charger. In as little as 25 minutes you'll have a fully charged back up battery ready to go. Each AFSC18 kit includes: 1-Fein® QuickIN Cordless Tool, 2-18-Volt Li-Ion Batteries, 1-18-Volt Battery Charger, 1-blade tool, 1-sharpening stone, and a DVD users guide. Everything comes neatly packaged in a high-impact plastic carrying case. For additional blade options, see page 33.

Fein Battery & Charger

9260410 • Fein® 18-Volt Li-Ion Battery Charger

- 120-Volt AC
- Rapid charging in as little as 25 minutes
- Low power input allowing use of simple voltage converters
- Easy to read operation indicators
- Dust-proof housing

9260412 • Fein® 18-Volt Li-Ion Battery

- Up to 30 minutes of non-stop operating time (depending on the application).
- No battery memory; Can be charged at any time
- Minimal self-discharge; Charged batteries can remain charged for months

POWERPUSH® 5026

Cordless Caulking Gun

The POWERPUSH® 5026 Series is engineered to meet the rigorous requirements of the autoglass installation professional. Choose the 10 oz. (296ml) cartridge system, the 20oz. (592ml) clear barrel system, or the Combo Kit which offers versatility, featuring a Quick Thread End Cap which allows the user to switch from cartridge to sausage and back again in seconds. All POWERPUSH® 5026 models are made of all metal gearing for heavy duty professional use. They have a powerful 1300:1 gear ratio which provides enough force to dispense high viscosity urethane with ease. The dual variable speed control allows superior bead control and the unique clear barrel with proprietary coating reduces friction and eliminates bag wrap. Tool comes complete with battery and charger.

PP5026-600-14V

NEW

PP5026-10-14V

PP5026-10-14V • Cartridge Caulking Gun
PP5026-610-14V • Combo Kit
PP5026-600-14V • Sausage Pack Caulking Gun
5510-10 • Cartridge Conversion Kit
5510-300 • Clear Barell Conversion Kit (300ml)
5510-400 • Clear Barell Conversion Kit (400ml)
5510-600 • Clear Barell Conversion Kit (600ml)

PP5026-610-14V

Save $$$!
COMBO KIT OPTION!
PART # PP5026-610-14V
Includes:
20oz. Sausage Pack Caulking Gun Kit (PP5026-600-14V)
&
10oz. Cartridge Conversion Kit (5510-10)

Power Push™ Batteries & Chargers

1010-013 • POWERPUSH® 14.4-Volt Battery

- Rechargeable
- non-toxic
- operates in low temperature settings

1020-027 • POWERPUSH® Battery Charger

- 120-Volt AC

DCE872

- ❑ **Designed for High-Viscosity Urethane**
- ❑ **Soft-Start Feature**
- ❑ **Variable-Speed Dial**
- ❑ **Swivel Barrel**
- ❑ **Built in Hook on the Handle**

DCS873

IMPORTANT — Battery and charger are not included!

DeWalt® Caulking Guns

The DeWalt® 18-Volt caulking gun delivers the power, speed, and control needed by an Auto Glass Technician while using the same battery as many of your 18-Volt Equalizer® auto glass cut-out knives or any DeWalt® 18-Volt tool. This caulking gun has a powerful pushing force of 650 pounds that dispenses the highest viscosity materials with ease. Its combination of a variable speed dial and trigger switch allows perfect control when laying a bead of urethane. Use the dial to set a specific speed, or turn it all the way up and use the trigger to control the speed. The tools auto-reverse feature prevents unwanted dripping of materials and also has a built in lock switch to prevent accidental start-ups. Does not come with a battery or charger.

DCE872 • Standard Caulking Gun
DCS873 • Sausage Pack Caulking Gun

18-Volt Batteries & Chargers

DW9116 • 120-Volt, 1-Hour 18-Volt Battery Charger

DC9319 • 12-Volt Auto 18-Volt NiCd, NiMH & Li-Ion Battery Charger

DC9096 • 18-Volt Battery

264321CT

264221CT

264121CT

Save $$$!
COMBO KIT OPTION!
PART # MCC153
Includes:
Standard M18™ Caulking Gun Kit (264121CT)
&
20 Oz. Sausage Pack Conversion Kit (48081093)

Milwaukee® M18™ Cordless Caulking Gun

This Milwaukee® Caulking Gun delivers the power, speed, and control needed by an Auto Glass Technician. A powerful pushing force of 950 pounds dispenses the highest viscosity materials with ease. The combination of variable speed dials and trigger switch along with the Constant Flow Technology, gives you a steady material flow rate and even urethane beads at all viscosity levels. Use the dial to set a specific speed, or turn it all the way up and use the trigger to control the speed. The auto-reverse feature prevents unwanted dripping of materials. An interchangeable front end allows this unit to be used with 10 oz. (296 ml), quart size (32 oz./946 ml) or 20 oz. (592 ml) sausage packs (conversion kits sold seperately). The lock-off switch prevents accidental start-ups. Tool comes complete with battery and charger.

264121CT • Standard Caulking Gun
MCC153 • Combo Kit
264221CT • Sausage Pack Caulking Gun
264321CT • Sausage Pack Caulking Gun • Clear Barrel

MCC153
Combo Kit

M18™ Batteries & Chargers

48111828 • M18™ High Capacity Li-Ion Battery 3.0 Amp Hours of Run Time.

48111815 • M18™ Compact Li-Ion Battery 1.5 Amp Hours of Run Time.

48591812 • 120-Volt M18™ Battery Charger

271020 • AC/DC M18™ Battery Charger

260122 • Cordless 1/2" Compact Drill Driver Kit
The M18™ Cordless 1/2" Compact Drill Driver has been built to withstand tough jobsite conditions. It has a longer run-time and takes fewer battery changes so that you can maintain momentum while you're working. The balance, weight, and grip of the tool have been optimized to reduce fatigue. Its superior bit grip prevents frequent bit retightening and lost bits while the built-in LED's illuminate your work surface. Kit Includes: 1-M18™ Cordless 1/2" Compact Drill Driver, 2-M18™ Compact Battery Packs , and 1-30 Minute Charger. All in a handy plastic carrying case.

261521CT • Cordless Right Angle Drill Kit
The 3.75" total head length makes the M18™ the most compact 18-Volt Right Angle Drill Driver in the industry. A 3/8" single sleeve keyless chuck, extended multi-position trigger and up to 150 lb/in of torque provide versatility, ease of use and power that is unmatched. It has an electronic clutch with eleven settings and a drill mode for complete control in fastening applications and built-in LED's to illuminate your work surface. Kit Includes: 1-M18™ Cordless Right Angle Drill, 1-M18™ Compact Battery Pack, and 1-30 Minute Charger. All in a handy plastic carrying case.

M18™ Batteries & Chargers

48111828 • M18™ High Capacity Li-Ion Battery 3.0 Amp Hours of Run Time.

48111815 • M18™ Compact Li-Ion Battery 1.5 Amp Hours of Run Time.

48591812 • 120-Volt M18™ Battery Charger

271020 • AC/DC M18™ Battery Charger

Additional Batteries, Chargers & Accessories

48112830 • Milwaukee® 28-Volt Lithium-Ion Battery Pack

The 28-Volt Lithium-Ion battery pack powers the entire Milwaukee® V28™ System of power tools. It is lighter and offers up to twice the run-time of an 18-Volt NiCd or NiMH pack! Never develops a memory and can be charged at any time regardless of the packs current charge level.

48111830 • Milwaukee® 18-Volt Lithium-Ion Battery Pack

Milwaukee®'s V18™ battery offers a longer run time and is lighter in weight than a standard 18-Volt NiCd battery (up to 50% longer run-time with no memory effect). This battery requires a Li-Ion/NiCd charger 48592818. Not for use with Milwaukee® part numbers 1108, 3108, 5364, and 6516.

48112230 • Milwaukee® 18-Volt NiCd Battery

An 18-Volt NiCd 2.4 AH battery for use with all Milwaukee® 18-Volt Power Plus Driver/Drills and other tools that use the 18-Volt battery. Not to be used with Milwaukee® part numbers 6516-20, 6516-21, 6516-22, 6516-23, 1108-20, 1108-21, 3108-21, 5364-20 and 5364-21.

48590245 • 120-Volt Charger

Battery charger for the discontinued MCF151 and MSF152 Caulking Guns.

MBE144 • 14.4-Volt Battery

Battery for the discontinued MCF151 and MSF152 Caulking Guns.

FWC931 • 120-Volt Charger

Battery charger for the discontinued AEG604 Caulking Gun.

AEG605 • 2.4-Volt Battery

Battery for the discontinued AEG604 Caulking Gun.

48081076 • Milwaukee® 10 Oz. (296 ml) Cartridge Conversion Kit

The 10 oz. Conversion Kit accepts all standard caulking tubes and cartridges and includes all the necessary components to convert material types from the 264221CT or 264321CT to be able to dispense 10 oz. tubes. Conversion kit includes the 10 oz. Plunger Rod and Piston Assembly.

Milwaukee® 20 Oz. (592 ml) Aluminum Sausage Pack Conversion Kit

This kit accepts all standard 20 oz. sausage style material packages and includes all the necessary components to convert material types from the 264121CT to be able to dispense 20 oz. sausage style material packs. Conversion kit includes the 20 oz. sausage style barrel length Plunger Rod and Piston Assembly.

48081093

48081091 • Barrel Only

Milwaukee® 20 Oz. (592 ml) Clear Barrel Sausage Pack Conversion Kit

This kit accepts all standard 20 oz. sausage style material packages and includes all the necessary components to convert material types from the 264121CT to be able to dispense 20 oz. sausage style material packs. Features clear tube design. Conversion kit includes the 20 oz. sausage style barrel length Plunger Rod and Piston Assembly.

48081094

48081096 • Barrel Only

MST138 • Sausage Pack Conversion Kit

Aluminum Barrel. For the discontinued Milwaukee® 14.4 Volt Caulking Guns.

MSC198 • Sausage Pack Conversion Kit

Clear Barrel. For the discontinued Milwaukee® 14.4 Volt Caulking Guns.

I0134 • Replacement Barrel

For the discontinued Milwaukee® 14.4 Volt Caulking Guns.

Scan to Watch Equalizer™ Power Tool Video

Equalizer® Black-Ops™ Specifications:	
Power Source	120-Volts
Watts	1200 Watts
Amps	10 Amp.
Tool Weight	6.5 lbs.
Strokes Per Minute	0-2,800

HHT2013 • Equalizer® Black-Ops™

Our sleek new Black-Ops™ 120-Volt tool is a powerful addition to the Equalizer® line of Auto Glass Removal tools. It has a compact design measuring only 14.5" in length for easy access to tight areas and more flexibility of applications. It's also lightweight at only 6.5 lbs and has an ergonomic design with a soft grip handle and boot area to provide additional comfort and reduce vibration. The powerful 10 Amp motor drives the blade at up to 2,800 strokes per minute and will cut through the thickest of urethane with ease. Kit comes with 1-PHB169 Piranha™ blade, 1-SFE329 blade sharpener, 1-pair of safety glasses, 1-instructional DVD and a heavy-duty plastic carrying case. For additional blade options, see pages 28-29.

Scan to Watch Equalizer™ Power Tool Video

Head Rotates 360°

To rotate the head, pull the release latch back and twist the front barrel. The head will rotate and lock in 45° increments. Because of its unique design, it can be swiveled 360° around (without turning it backwards) to get back to the standard configuration.

Equalizer® 360 Specifications:	
Power Source	120-Volts
Watts	1560 Watts
Amps	13 Amp.
Tool Weight	10 lbs.
Strokes Per Minute	0-3,000

SR1418360 • Equalizer® 360

The Equalizer® 360 is the most versatile tool ever manufactured by Equalizer. The rotating head can be locked in 8 different positions so you can get into difficult places. The motor is a 2-1/2 horsepower motor that drives the blade at 3,000 strokes per minute. A rotary switch allows you precise cutting power without varying up and down. It does not matter how thick the urethane is, you will never need to worry about bogging down this tool. Kit comes with 1-BFE1400 Blade, 1-SFE329 blade sharpener, 1-instructional DVD, 1-pair of safety glasses, 1-spray bottle, and a heavy-duty plastic carrying case. For additional blade options, see pages 28-29.

SuperCut Technical Data	Specifications
Power Source	120-Volt
Watts	400
Amps	3.3
Tool Weight	2.9 lb
Rotations Per Minute	11,000-18,500

FSC16 • Fein® SuperCut

Fein® tools were introduced into the auto glass industry in the early 1980s and remain one of the most used auto glass removal tools in the world. Fein® has worked to refine their original design and today the Fein® SuperCut has a streamline design, high-power motor and a variable speed control. The tool is of the highest quality and uses ball and needle bearings together with a gearbox designed for continuous use and heavy loads. Each FSC16 kit includes: 1-Fein® SuperCut, 1-FTB20728 Blade Starter Kit (consists of: one each of the 3/4", 1" and 1-1/2" L-Shaped Serrated Blades), one blade tool, one sharpening stone, and a DVD users guide. Everything comes neatly packaged in a plastic carrying case. For additional blade options, see page 33.

QuickIN Technical Data	Specifications
Power Source	120-Volt
Watts	400
Amps	3.3
Tool Weight	2.8 lb
Rotations Per Minute	11,000-18,500

Pull up on the retaining lever.

Push the blade retaining lever forward 180°.

Put a new blade on the blade holder, insert it into the tool and close the lever.

FSC16Q • Fein® QuickIN

No tools needed to change a blade

This is the same great tool as the Fein® SuperCut, but with the ability to change the blade without tools. Pull the blade retaining lever up and push it forward 180° and the blade retainer drops out of the tool, drop on a new blade, reverse the process and you are ready to continue cutting with a different blade. Each FSC16Q kit includes: 1-Fein® QuickIN, 1-FTB20728 Blade Starter Kit (consists of one each of the: 3/4", 1" and 1-1/2" L-Shaped Serrated Blades), one sharpening stone, and a DVD users guide. Everything comes neatly packaged in a plastic carrying case. For additional blade options, see page 33.

Features

· Record and play back still images and video clips
· 3.5“ high resolution full color LCD display (320x240)
· Easy-to-use, multi-language interface
· Wide camera angle for in images with 640x480 resolution
· With optional removable SD cards (not included), save images and videos
· On-screen horizontal/vertical reverse
· 5x digital zoom for increased viewing
· Mini USB connector for uploading images and videos to a computer
· Probe diameter of 5.5mm (0.22”)
· White LED to illuminate the inspection area, with illumination control
· View objects as close as 1”
· Oil and scratch resistant tempered glass lens
· 1M (39.4”) semi-rigid, but flexible watertight shaft
· Built-in rechargeable Li-ion battery with up to 5-6 hours of continuous use.
· Ergonomic and durable tool housing
· Can operate the tool while charging the battery
· Composite video output jack (RCA)

SE545 • Snake Eyes™

Works great for pre-inspection of a glass removal.

This is an ideal tool for examining difficult-to-reach areas normally hidden from sight. Find those hard to see clips and stops as well as those thick areas of urethane with our Snake Eyes™ boroscope unit. Once you’ve identified the problem areas, mark them with a marker or tab so you’ll know when to expect these encounters during removal. Also great to diagnose rust on the pinchweld prior to removal. If your shop will repair the rusted spots, this will save time as well as help you with your up front estimates. If you don’t do rust repairs you will know ahead of time and can refer the customer to a body shop. Kit comes with Snake Eyes™ Boroscope tool, imager head and cable, USB cable, mirror head, video-out cable, charger, and users manual. All packaged in a heavy-duty plastic carrying case.

AEB405 • Equalizer® Excalibur®

Invented by: Ray Asbery

The Excalibur® is a compact, lightweight, air-powered version of the Equalizer®. It is designed to cut the urethane bonding that holds most glass in vehicles. The .020" thick blade reciprocates inside a metal sheath which protects the dash, garnish mouldings and headliner. The sheath also allows you to adjust the blade length to accommodate different urethane widths. The blade is never really exposed because as it leaves the sheath it penetrates the urethane. With Excalibur®, you can save encapsulated, metal bonded and underseal moulding glass. In the body shop, it can even be used to remove body side mouldings, emblems and SMC panels. Excalibur® has ball bearing construction and runs at 0 to 3,200 strokes per minute. Uses Equalizer® Blades Only. Kit comes with one each: 4", 8", and 12" sheaths, two each: 4", 8", and 12" blades, one pair of safety glasses, one instructional DVD, and a heavy-duty plastic carrying case. For additional blade options, see page 30.

Equalizer® Excalibur® Specifications:	
Power Source	Air
PSI	90 psi
CFM	8 cfm
Weight	4 lbs.
Strokes Per Minute	0-3,200

Do not exceed 90 psi when using this tool.

ATTENTION

Use of any blades other than Equalizer® Blades will damage your tool and void your warranty.

SP1416 • Equalizer® Air

In the auto glass replacement business, time is money and Equalizer® auto glass cut-out knives are the fastest tools in the world to remove auto glass. The Equalizer® Air is designed with a 1-horsepower motor to give it plenty of power to cut the thickest urethane, but compact enough to fit into the smallest opening. It features a ball bearing construction and runs at 0 to 2,800 strokes per minute. Each kit comes with one LBE1402 Blade, one pair of safety glasses, one hex key to change the blade, one instructional DVD, and a handy carrying case.
For additional blade options, see pages 28-29.

Equalizer® Air Specifications:	
Power Source	Air
PSI	90 psi
CFM	8 cfm
Weight	4 lbs.
Strokes Per Minute	0-2,800

ESM519 • Equalizer® Falcon™

Easily converts to an air-powered cold knife!

The Equalizer® Falcon™ features 20,000 oscillations per minute for fast cutting action. The blade's oscillating shaft is supported by dual bearings that are super heavy-duty. The motor is larger and more powerful than standard auto glass adhesive knives. The unique design of the end plate allows for more airflow, which produces a smoother-running, more powerful tool. The Equalizer® Falcon™ comes with a safety throttle to prevent accidental starting of the tool, and an 18" muffler makes it one of the quietest tools on the market today. Consumes 4 CFM. Comes with one Equalizer® Talon™ 51851 blade. For additional blade options, see pages 30-32.

Equalizer® Falcon™ Specifications:	
Power Source	Air
PSI	90 psi
CFM	4 cfm
Weight	2.5 lbs.
Rotations Per Minute	20,000

TECH TIP: Convert To Cold Knife
To convert these tools to air-powered cold knives, use the Standard & Reverse Sharpened Powered Cold Knife Blades on page 32, along with the 3307 Loop Handle on page 24

ESM517 • Equalizer® Raven™

Easily converts to an air-powered cold knife!

A very popular tool in many auto glass shops, these knives cut along flush-mounted, or encapsulated urethane set auto glass. A powerful motor and supporting ball bearings make it a long-lasting tool. It features 20,000 oscillations per minute for fast cutting action. Consumes 4 CFM. Comes with one Equalizer® Talon™ 51851 blade. For additional blade options, see pages 30-32.

Equalizer® Raven™ Specifications:	
Power Source	Air
PSI	90 psi
CFM	4 cfm
Weight	2 lbs.
Rotations Per Minute	20,000

The Equalizer® Ninja™ and Ninja™ GT are revolutionary auto glass removal tools that allow you to remove any glass fast and effortlessly. They have the look and feel of a cold knife, but cut with incredible power. The blade moves back and forth at 22,000 strokes per minute. As you pull the tool forward, it is retracting and then thrusting into the urethane at an astonishing rate of 367 times a second. Jobs that took several minutes now take only seconds with no strain on your body.

The Ninja™ GT is a heavy-duty version of the Ninja™. It has dual ball bearings, a more powerful motor, and an exhaust muffler that routes the escaping air away from the vehicle. A unique feature is the ability to cut under hoods, trunk lids, or anything that hangs over the glass and obstructs your ability to cut. When you encounter these areas you can position the blade around so it sits at a 90° angle and this makes the tool short enough to go under these areas. For additional blade options, see page 32.

The Equalizer® Ninja™

Invented by: Gilbert Gutierrez

ENJ147 • Standard Kit
Equalizer® Ninja™ with one 1" blade.

ENK148 • Deluxe Kit
Equalizer® Ninja™ with one each: 3/4", 1" and 1-1/2" blades, in a plastic carrying case.

Equalizer® Ninja™ Specifications:	
Power Source	Air
PSI	90 psi
CFM	4 cfm
Weight	2 lbs.
Rotations Per Minute	22,000

3307 • Ninja™ Replacement Pull Handle
It has an aluminum handle with a braided steel wire that surrounds the tool head.

The Equalizer® Ninja™ GT

Invented by: Gilbert Gutierrez

EGT149 • Standard Kit
Equalizer® Ninja™ GT with one 1" blade.

EGK150 • Deluxe Kit
Equalizer® Ninja™ GT with one each: 3/4", 1" and 1-1/2" blades, in a plastic carrying case.

Equalizer® Ninja™ GT Specifications:	
Power Source	Air
PSI	90 psi
CFM	4 cfm
Weight	2.5 lbs.
Rotations Per Minute	22,000

Equalizer® TimeSaver™ Specifications:	
Power Source	Air
PSI	90 psi
CFM	4 cfm
Weight	2.5 lbs.
Rotations Per Minute	20,000

These blades have an extra wide side-to-side movement and are aggressive!

ATTENTION
Use of any blades other than Equalizer® Blades will damage your tool and void your warranty.

ETS6602 • Equalizer® TimeSaver™

Heavy-Duty Auto Glass Removal Tool

It has heavy-duty aircraft bearings in all critical points. The yoke has been thickened and widened so it will withstand the extreme stress put on it by the longer blades. Most manufacturers, including Equalizer Industries, Inc., do not recommend using a blade longer than 5" in their oscillating tools. None of the tools are designed to take the stress of these long blades, except the Equalizer® TimeSaver™. Remember: yellow tool, yellow blades. Do not exceed 90 psi air pressure when running this tool. Comes with one TSB6603 blade. For additional blade options, see page 32.

Air-Powered SuperCut Technical Data	Specifications
Power Source	Air-Powered
PSI	87
CFM	23.3
Weight	2 lbs.
Rotations Per Minute	20,000

MLX625 • Fein® Air-Powered SuperCut

The Fein® Air-Powered SuperCut runs at a maximum speed of 20,000 rpm making it a very fast cutting tool. The recommended air pressure is 90 psi and the fact that it consumes 23 cfm tells you that it has tremendous power. It is compact, measuring only 8" long x 1-3/4" wide x 1-3/4" tall, and weighs less than 2 pounds. One unusual thing about the tool is the method that is used to change the blades. Unlike other tools, the Fein® Air-Powered SuperCut uses a double wrench tightening system that prevents pressure from being applied to the drive bearing when the blade is tightened. Comes with 1-Fein® Air-Powered SuperCut and two blade wrenches. For additional blade options, see page 33.

APC830 • Air-Powered Caulking Gun

This is a true piston-type caulking gun that can be used with 10.3 oz. urethane cartridges or 10 oz. (296 ml) sausage packs. The barrel is made of aluminum and dismantles for easy cleaning. It has a true air regulator that regulates up to 100 psi maximum, an air-regulator pressure adjustment, and an instant dump-valve trigger release. The end cap and barrel are quick-release type and can be removed with just one complete turn of the retainer.

ATTENTION
It will <u>not</u> work with the 20 ounce or 450 ml cartridges.

IMPORTANT Tool Only. Does not include blade or depth control arm.

WK10HD • BTB Air-Powered Tool

The BTB system is an all-encompassing system for the removal of glass, mouldings, emblems, and body panels. At the heart of this system is the WK10HD Power Tool. This tool has an exclusive short and fast In-line stroke that absorbs the reciprocal cutting action of the blades. It is small, powerful and lightweight. The nylon head avoids scratching glass or painted panels. It features low noise levels, low vibration levels (HAV), and is test rated to ISO 5349 & ISO 8662. The tool is CE rated and has a fully adjustable speed, stroke and power and you can change the blade in 10 seconds. Tool Only. Does not include blade or depth control arm. For additional blade options, see pages 34-40.

WK10HD Technical Data	Specifications
Power Source	Air-Powered
Free Speed – (strokes per minute)	6,500
Reciprocal Stroke Length	0-1/4" (Variable)
Noise	77-79 dBA
Tool Weight	2.5 lb
Overall Length	10.25"

Auto Glass Removal Tool Kits

WKSTR

WKSTR Kit Contents:

Tool: *WK10HD Heavy Duty Air Tool*

Cutting Depth Control Arms *WK11BW5, WK11FW*

Blades: *WK2-S, WK4Z-S, WK27M, WK28M*

Accessories: *WK7, WK8DSM, WK9, WK11VEL, WKGA*

Packaging: *Vinyl Tool Roll*

Training Package: *Intro & Training DVD, User Manual*

WKCLSBX Kit Contents:

Tool: *WK10HD Heavy Duty Air Tool*

Cutting Depth Control Arms *WK11AW, WK11BW5, WK11CW, WK11FW*

Blades: *WK2-S, WK3, WK24Z-S, WK24ZR-S, WK27M, WK28M, WK6-M*

Accessories: *WK7, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA*

Packaging: *Sturdy Plastic Carry Box*

Training Package: *Intro & Training DVD, User Manual*

WKCLSBX

WKTECBX

WKTECBX Kit Contents:

Tool: *WK10HD Heavy Duty Air Tool*

Cutting Depth Control Arms *WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW*

Blades: *WK1-S, WK2-S, WK4-S, WK4R-S, WK4Z-S, WK4ZVR-S, WK24Z, WK24-S, WK27M, WK28M, WK6-M*

Accessories: *WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA*

Packaging: *Sturdy Plastic Carry Box*

Training Package: *Intro & Training DVD, User Manual*

Body Shop / Dealership / Dismantler Auto Glass & Moulding Removal Tool Kits

WKCRABX Kit Contents:

Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK1, WK3, WK4R-S, WK4Z, WK24Z-S, WK24ZR-S, WK27M, WK28M, WK6-M

Packaging:
Sturdy Plastic Carry Box

Cutting Depth Control Arms
WK11AW, WK11BW5, WK11CW, WK11EW

Accessories:
WK7, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Training Package:
Intro & Training DVD, User Manual

WKCRABX

WKTDMBX

WKTDMBX Kit Contents:

Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK1-S, WK4, WK4R-S, WK4Z-S, WK4ZR-S, WK24Z, WK24ZVR-S, WK24-S, WK27S, WK27M, WK28S, WK28M, WK6-M

Packaging:
Sturdy Plastic Carry Box

Cutting Depth Control Arms
WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Training Package:
Intro & Training DVD, User Manual

Bus / Truck / Rail Industry Glass & Bonded Panel Removal Tool Kits

WKBTR15BX Kit Contents:

Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK1-S, WK1X, WK2-S, WK4Z-S, WK4ZR-S, WK4-S, WK5-S, WK27S, WK27M, WK27L, WK28S, WK28M, WK28L, WK6-L, WK6-40

Packaging:
Sturdy Plastic Carry Box

Cutting Depth Control Arms
WK11BW5, WK11DW5, WK11EW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Training Package:
Intro & Training DVD, User Manual

WKBTR15BX

Equalizer® Express® Blades

The Equalizer® Express® Blades were developed from daily use on hundreds of different vehicles. The BFE1400 is the most used size and is perfect for slicing through wide bands of urethane. It works well in all places where you plunge cut or angle cut. The BFE1401 blade is perfect for removing glass that is not broken. Its narrow width is more flexible, which puts less stress on the glass. The LBE1402 work well where the urethane is far below the glass, but there is a limited amount of vertical space inside the vehicle. The LBE1403 blade is perfect for removing glass that is not broken. Its narrow width is more flexible, which puts less stress on the glass. The RLE1404 work well where the urethane is very deep below the dash. The Equalizer™ Express® HydroBlades™ are the same as our standard Express® Blades but they have a series of small dimples stamped on the side of the blade that rides against the urethane. These dimples are designed to carry cutting lubricant into the urethane that is being cut by the blade. With each stroke the blade picks up cutting lubricant on the outside of the urethane and deposits it inside the urethane allowing for each additional stroke of the blade to slide easily through the urethane. Besides making the blade cut easier they also lengthen the tool life and reduce vibration because of the reduced friction on the blade. These blades can also be used with our Express® Blade Handle on Page 63. Made in the USA.

LBE1402 • Express® Blade
3" Wide, 12" Long

EHB145 • Express® HydroBlade™
1-1/2" Wide, 10" Long

Standard Blade
BFE1401 • 1-1/2" Wide, 10" Long
LBE1403 • 1-1/2" Wide, 12" Long
BFE1400 • 3" Wide, 10" Long
LBE1402 • 3" Wide, 12" Long
RLE1404 • 3" Wide, 14" Long

HydroBlade™
EHB145 • 1-1/2" Wide, 10" Long
EHL146 • 1-1/2" Wide, 12" Long
EHB186 • 3" Wide, 10" Long
EHL187 • 3" Wide, 12" Long
EHE160 • 3" Wide, 14" Long

Equalizer® Express® Specialty Blades

Serrated For An Even Better Cut!

Some areas require side-to-side cutting. This is more common around very radical curves in the glass, and in vehicles that have corners with a sharper-than-90° angle. It can be difficult to get all the way up into these corners with a square-end blade, but with the round tip it will reach up into the corner and cut the urethane. This blades can also be used with our Express® Blade Handle on Page 63.

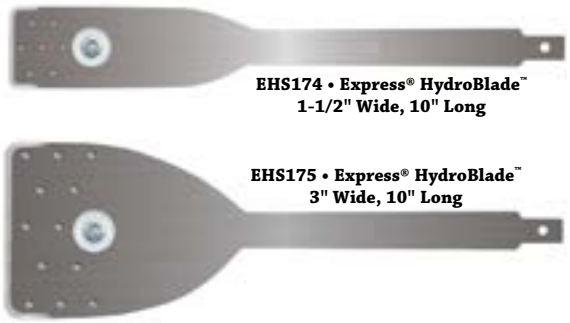
EHF173 • Express® HydroBlade™
10" Long

EHF173 • HydroBlade™ • 10" Long

Equalizer® Express® Spacer Blades

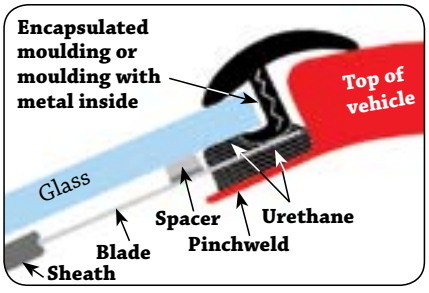
Some vehicles have a moulding with a piece of metal inside. Mouldings with metal inserts can be difficult to cut, but by using the Express® Spacer Blade cutting these is a breeze. Also, many encapsulated glasses have a very dense encapsulation material that is difficult to cut. To save unbroken glass these blades are designed to hold the blade below the moulding and prevent the blade from cutting into the encapsulation. A permanently attached, self-lubricating nylon spacer lets the blade move easily back and forth while holding the blade under the lower lip of the moulding or encapsulation. These blades can also be used with our Express® Blade Handle on Page 63. Made in the USA.

EHS174 • HydroBlade™ • 1-1/2" Wide, 10" Long
EHS175 • HydroBlade™ • 3" Wide, 10" Long



EHS174 • Express® HydroBlade™
1-1/2" Wide, 10" Long

EHS175 • Express® HydroBlade™
3" Wide, 10" Long



Side view of blade with spacer.

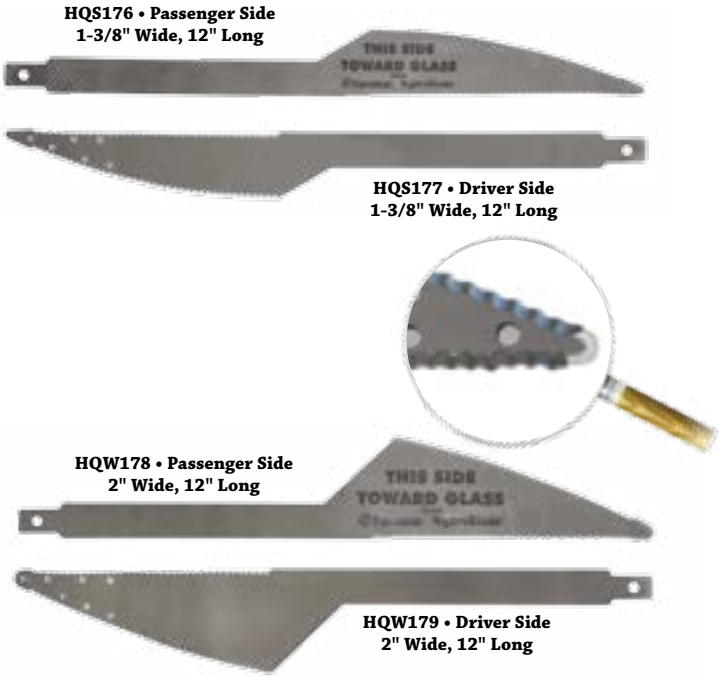
Equalizer® Quarter Glass & Corner HydroBlades™

Serrated For An Even Better Cut!

Idea By: Jason Lowe

Many quarter glasses come to a sharp point in the back and can be difficult to remove. The narrow blades are designed to reach into those difficult areas and cut the urethane. They are also very useful on those vehicles that have corners with sharp angles. The blades are flexible to allow the tool to be held outside the quarter glass opening while cutting inside. Each blade is designed for a specific side of the vehicle. The wide blade is designed to accommodate the quarter glasses and corners that are not as pointed. These blades can also be used with our Express® Blade Handle on Page 63. Made in the USA.

HQS176 • Narrow Blade • 1-3/8" Wide, 12" Long
HQS177 • Narrow Blade • 1-3/8" Wide, 12" Long
HQW178 • Wide Blade • 2" Wide, 12" Long
HQW179 • Wide Blade • 2" Wide, 12" Long

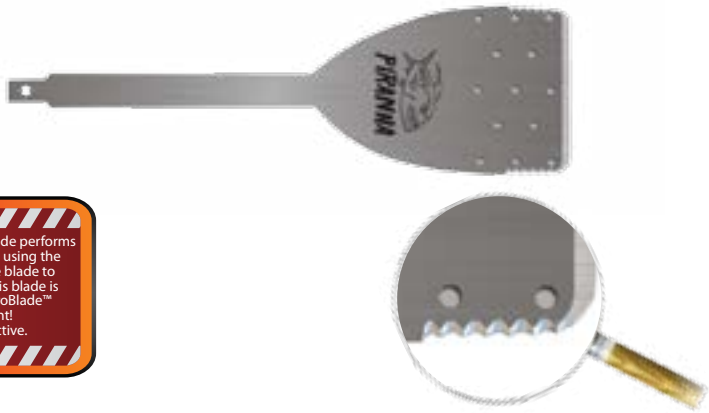

HQS176 • Passenger Side
1-3/8" Wide, 12" Long
HQS177 • Driver Side
1-3/8" Wide, 12" Long
HQW178 • Passenger Side
2" Wide, 12" Long
HQW179 • Driver Side
2" Wide, 12" Long

TECH TIP: Sharpening Serrated Blades
Flip upside down - flat/dull side up. Using a whetstone, rub in the direction of the cutting edge of the blade until sharpened.

Equalizer® Piranha™

This is a new spin on the tried and true design of the orignal HydroBlade™. The Equalizer® Piranha™ blade uses the same cutting technology as the orignal HydroBlade™ but also incorporates serration on a portion of each side of the blade, making cutting from left to right and right to left much easier. These blades can also be used with our Express® Blade Handle on Page 63. Made in the USA.

PHB169 • 3" Wide, 10" Long
PHB174 • 3" Wide, 12" Long
PHB175 • 3" Wide, 14" Long



There is a difference in how the Piranha blade performs versus our standard HydroBlade™. When using the Piranha™ blade the serrations cause the blade to pull you into your cut and guide you. This blade is more agressive than the standard HydroBlade™ and must be used with a lubricant! When used correctly it is very effective.

ES1406 • Equalizer® Express® Sheath

The sheath is the unique idea that allows the Equalizer® auto glass cut-out knives to use a flexible blade and also gives the blade added support allowing it to cut the toughest urethane. Equalizer® Express® Blades come in longer and shorter sizes, but there is only one size sheath and it fits all Equalizer® tools that utilize the Express® Blade line. Made in the USA.

Equalizer® Blades

Invented by: Ray Asbery

All Equalizer® Blades have the correct Rockwell hardness so they will not buckle inside the sheath. The serrated style is sharpened with a unique double-serration method. Each serration is also serrated which gives a smoother and faster cutting action. These blades will fit any Equalizer® tool, including the Equalizer® GT, Excalibur®, Equalizer® Magnum, Magnum XP, Thor™, Equalizer® 12V, the Equalizer® Freedom and the LiveWire™. They will not fit the Equalizer® Express® auto glass cut-out knives. Use of any blades other than Equalizer® Blades will damage your tool and void your warranty. Made of Spring Steel and available in 4", 8" and 12" sizes. Made in the USA.

EEB793 • 4" Standard
EEB793PKG • Package of 5
EEB795 • 8" Standard
EEB795PKG • Package of 5
EEB797 • 12" Standard
EEB797PKG • Package of 5

ESB1304 • 4" Serrated
ESB1304PKG • Package of 5
ESB1308 • 8" Serrated
ESB1308PKG • Package of 5
ESB1312 • 12" Serrated
ESB1312PKG • Package of 5

Equalizer® Sheath

Invented by: Ray Asbery

The sheath is the unique idea that makes the Equalizer® line of tools work. The sheath is a protective sleeve that surrounds the blade so the blade will not damage the dash or garnish mouldings and also gives the blade added support. Sheaths are available in 4", 8" and 12" sizes. These three sheaths will fit any of the Equalizer® Express® auto glass cut-out knives. Made in the USA.

EES804 • 4" Sheath
EES808 • 8" Sheath
EES812 • 12" Sheath

Equalizer® Talon™ Dual-Sharpened Oscillating Blades

Sharpened on both sides

Some manufacturers of oscillating tools recommend that their tools be used with a blade that is sharpened on both sides. They believe it is easier for the blade to cut through the center of the urethane if it does not rub against the glass. For these users, we offer these high-quality stainless steel blades. These blades will fit the Falcon, Raven, and TimeSaver tools as well as most oscillating tools on the market. These blades will not fit the Ninja™ line of tools. Made in the USA.

51844 • 3-3/4" Long • 2" Cutting Part
51845 • 5" Long • 2-1/4" Cutting Part
51846 • 5-1/2" Long • 2-1/2" Cutting Part

Equalizer® Talon™ Oscillating Blades

These high-quality blades are made of flexible stainless steel, so they will flex before they break. This ability acts as a warning. When you see the blade start to flex, you know it is time to back-off and decrease the amount of pressure. The blades are flat on one side so they will ride against the glass and cut the urethane at the point of least resistance. These blades will fit the Falcon, Raven, and TimeSaver tools as well as most oscillating tools on the market. These blades will not fit the Ninja™ line of tools.

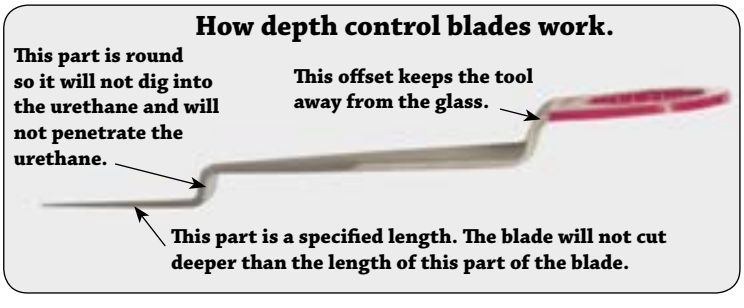
51850 • Pinchweld scraper, 1/2" wide
51851 • Offset cutting blade, cutting part 2-1/8"
51852 • Straight cutting blade, cutting part 1-1/8"
51853 • Curved offset cutting blade, cutting part 2-1/8"
51854 • Straight offset cutting blade, cutting part 2"
51855 • Hooked blade, cutting part 3/4"
51866 • Curved cutting blade, cutting part 1-1/2"
51857 • Hooked blade, cutting part 1-1/2"
51858 • Hooked blade, cutting part 2-1/2"
51859 • Hooked blade, cutting part 3-1/2"

Equalizer® Talon™ Depth Control Oscillating Blades

Control how deep your oscillating tool cuts

Scratching the pinchweld on the outside when cutting from inside the vehicle has always been a problem with oscillating tools. Previously, there was no way to control how deep the blade would cut. Equalizer® Talon™ blades solve this problem. Each blade is formed in such a way that the vertical part of the bend will ride against the urethane and not go through it. These blades will fit the Falcon, Raven, and TimeSaver tools as well as most oscillating tools on the market. These will not fit the Ninja™ line of tools. Made in the USA.

51860 • Cuts 1/2" Deep
51861 • Cuts 3/4" Deep
51862 • Cuts 1" Deep
51863 • Cuts 1-1/4" Deep
51864 • Cuts 1-1/2" Deep
51865 • Cuts 2" Deep


How depth control blades work.
This part is round so it will not dig into the urethane and will not penetrate the urethane.
This offset keeps the tool away from the glass.
This part is a specified length. The blade will not cut deeper than the length of this part of the blade.

Standard & Reverse Sharpened Powered Cold Knife Blades

Our blades are made of hardened carbon steel and are bent the same way a regular cold knife blade is bent. They cut urethane by thrusting forward into the urethane and backwards away from the urethane as you pull the oscillating tool forward. These blades will fit the Falcon, Raven, and TimeSaver tools as well as most oscillating tools on the market. These blades will not fit the Ninja™ line of tools. Made in the USA.

Standard Sharpened
51847 • 3/4" Long
51848 • 1" Long
51849 • 1-1/2" Long

Reverse Sharpened
51841 • 3/4"Long
51842 • 1" Long
51843 • 1-1/2" Long

52000 • Blade Kit

These are the most popular and commonly used blades for the Falcon™ and Raven™ tools (pg, 23). Kit comes with one each: 51847, 51848, 51849, & 51854.

51847 • 3/4" Long
51848 • 1" Long
51849 • 1-1/2" Long

51854 • Straight offset cutting blade, cutting part 2”

Equalizer® TimeSaver™ Blades

These blades will cut urethane cleanly from inside the vehicle and are thinner than most blades on the market. All Equalizer® TimeSaver™ Blades are made of hardened, stainless steel and can be easily resharpened dozens of times. Because of the leverage put on the bearings and the yoke bar, we do not recommend using these blades in a standard oscillating tool, only the Equalizer® TimeSaver™ tool. These blades can cause regular oscillating tools to be damaged so we have color-coded them to match the tool. If the tool is not yellow then do not use the blades in the tool. Made in the USA.

TSB6603 • 5” Long
TSB6605 • 5-1/2” Long
TSB6606 • 6-1/2” Long
TSB6608 • 8-1/2” Long

Ninja™ Blades

These blades are made especially for the Ninja™ tool and designed to withstand the power produced by the back and forth motion of the air tool. The Reverse Sharpened blades are perfect for cutting out those difficult to remove back glasses or any time you want to cut close to the pinchweld. All are made of hardened spring steel. Made in the USA.

Standard Sharpened
ENT840 • 3/4" Long
ENO841 • 1" Long
ENL842 • 1-1/2" Long

Reverse Sharpened
URS886 • 3/4" Long
URO887 • 1" Long
URL888 • 1-1/2" Long

FTB097 • Fein® Part No. 6 39 03 097 01 8
Cutting part 2-5/16". Total Length 4-15/16". Regular sharpening both sides. Has a rigid depth stop.
Package of 2

FTB072 • Fein® Part No. 6 39 03 072 01 7
Cutting part 1-3/4". Total Length 3-1/8". Regular sharpening both sides.
Package of 2

FTB166 • Fein® Part No. 6 39 03 166 01 6
Offset blade for removal of insulating glass panes set in glazing compound.
Package of 2

FTB107 • Fein® Part No. 6 39 03 107 01 6
Cutting part 2-3/8". Total Length 3-1/8". Regular sharpening both sides.
Package of 2

FTB125 • Fein® Part No. 6 39 03 125 01 7
Cutting part 3/4". Total length 2-3/4". Regular sharpening both sides. Z bend.
Package of 2

FTB103 • Fein® Part No. 6 39 03 103 01 7
Cutting part 1". Total Length 3". For separating cuts from inside and outside.
Package of 2

FTB073 • Fein® Part No. 6 39 03 073 01 1
Cutting part 1-1/2". Total Length 2-3/16". Sharpening 1 side regular, one side serrated.
Package of 2

FTB128 • Fein® Part No. 6 39 03 128 01 2
Cutting width of 2-9/16". Mushroom blade used for cutting silicone and soft glazing compound as well as seperating insulating glass units.
Package of 5

FTB216 • Fein® Part No. 6 39 03 216 01 7
Cutting part 2-3/8". Total length 4-3/4". Sharpening 1 side regular, one side serrated. Z bend.
Package of 2

FTB081 • Fein® Part No. 6 39 03 081 01 3
Cutting part 2-1/4". Total length 4-3/4". Sharpening 1 side regular, one side serrated. Z bend.
Package of 2

FTB143 • Fein® Part No. 6 39 03 143 01 3
Cutting part 5/8" to 1-11/16". Total Length 4". Regular sharpening both sides. Has an adjustable depth stop.
Package of 2

FTB147 • Fein® Part No. 6 39 03 147 01 2
Cutting part 1-1/4". Regular sharpening both sides.
Package of 2

FTB079 • Fein® Part No. 6 39 03 079 01 2
Cutting part 1-7/16". Regular sharpening both sides.
Package of 2

FTB208 • Fein® Part No. 6 39 03 208 01 0
Cutting part 3/4" long. Sharpening 1 side regular, one side serrated.
Package of 2

FTB20712 • Fein® Part No. 6 39 03 207 01 2
Cutting part 1" long. Sharpening 1 side regular, one side serrated.
Package of 2

FTB209 • Fein® Part No. 6 39 03 209 01 4
Cutting part 1-1/2" long.
Sharpening 1 side regular, one side serrated.
Package of 2

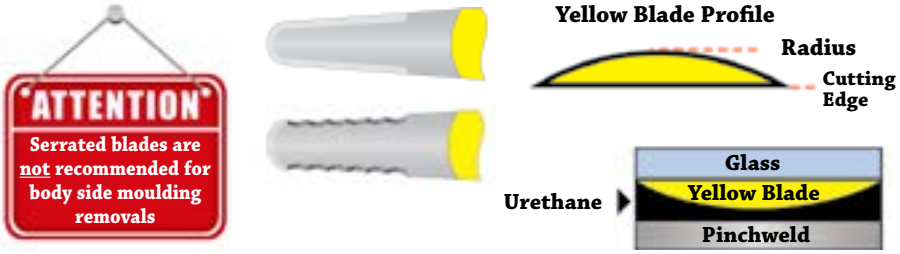
FTB20728 • Fein® Part No. 6 39 03 207 02 8
One each: 3/4" (FTB208), 1" (FTB20712), & 1-1/2" (FTB209)
Package of 3

Understanding BTB Blades

BTB's cutting blades are color coded Yellow, Orange, Blue or Green to identify the type of removal application they are designed for. All blades have a rounded (radius) side and a flat side. Acting in the same manner as a rudder steers a boat, the rounded side ensures that the flat side of the blade cutting tip will face and hug the glass or panel surface you want to cut against. BTB's cutting depth control system ensures you only cut as deep as required, avoiding vehicle damage. All BTB blades can be used in the BTB power tools or in the manual blade handles.

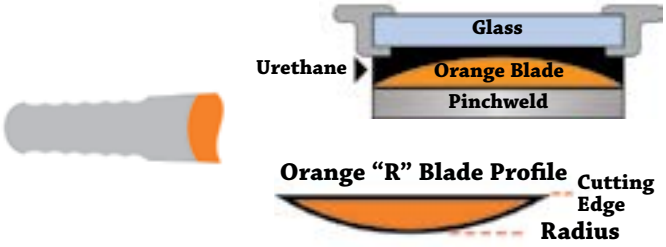
Standard Blades (Yellow)

The cutting tip of these blades is rounded on top and flat underneath. Designed to cut against the glass surface, leaving the urethane on the vehicle body/pinchweld. The non-serrated blades are also used for body moulding, and emblem removal in the bodyshop/dismantler environment. The serrated blades are bot intended for removal of body mouldings and emblems.



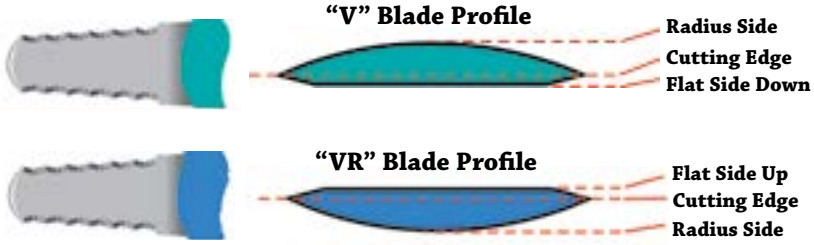
Reverse Grind Blades (Orange)

The cutting tip of these blades are a reverse grind of the yellow blades, being flat on top and rounded underneath with serrated edges. Designed for encapsulated glass removal, these blades will cut against the vehicle body, leaving the urethane on the glass while avoiding contact with encapsulation.



Safety Edge "V" (Green) & "VR" (Blue)

The cutting tip of these blades are a combination of the yellow and orange blades. The cutting edge is suspended away from each surface for cutting against softer material panels such as aluminum, fiberglass, polycarbonates, PVC or where the panel may have high or low areas (panel joins, lap-overs or spot-welds).

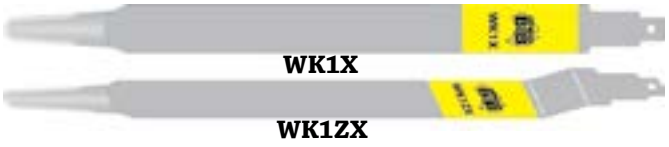


Spade "Z" Blade

When used for windshield and glass removal, these blades will cut in either direction, either by pushing forward or pulling backward against serrated edges. Their wide tip is also great for severing remaining adhesive stringers hidden behind the black frit/band. The standard blades also work great on body mouldings, emblems and badges. Their wide, flat and smooth surface freely and safely slides against a painted panel, causing no paint damage and resulting in a quick removal.

WK18Z • 5-1/2" Wide
WK18ZS • 5-1/2" Wide • Serrated
WK19Z • 7" Wide
WK19ZS • 7" Wide • Serrated

Extra Long Reach Flat Blades
For reaching deep below dashboards and working with glasses when the urethane is deep behind an obstruction.
WK1X • 14-1/2"
WK1ZX • 14-1/2" • Offset



Long Reach Flat Blades
For reaching below dashboards or removing body mouldings and emblems.
WK1 • 11-3/4"
WK1S • 11-3/4" • Serrated

Medium Reach Flat Blades
For when the urethane is not far below the dash or in an extremely difficult place to reach.
WK2 • 9-1/2"
WK2S • 9-1/2" • Serrated

General Purpose Bent Blades
This is one of the most versatile blades and can be used for urethane, body shop mouldings, and emblems.
WK3 • 7-1/2"
WK3S • 7-1/2" • Serrated

General Purpose "Z" Blades
Used to cut across the tops and down the sides of windshield and back glasses. Works great around small glasses or in tight areas. Will also remove mouldings and emblems.
WK4Z • 5-1/2"
WK4ZS • 5-1/2" • Serrated

Trimming Blade
Designed to remove urethane from pinchwelds using WK11DW5 depth control arm. This is also a great blade for body shops who must remove adhesive from body mouldings.
WK5 • 5"
WK5S • 5" • Serrated

Flexible Removal Blade
These blades are designed with a bend and are more flexible which allows them to contour to curved glass.
WK4 • 7-1/2"
WK4S • 7-1/2" • Serrated

Flexible "Z" Blade
Designed for curved and small glasses and when working in confined areas.
WK24Z• 6"
WK24ZS • 6" • Serrated

Flexible Removal Blade
Designed with a long reach to follow the curve of the glass where the urethane is located.
WK24 • 9-1/2"
WK24S • 9-1/2" • Serrated

WK4ZRS • Reverse Serrated “Z” Blade
Short rigid blade for accessible/easy to reach adhesives.
5-1/2" Long

WK4RS • Flexible Reverse Serrated Blade
Long reach for adhesives that are in difficult to reach places, will follow contour of curved glass.
7-1/2" Long

WK24ZRS • Flexible Reverse Serrated "Z" Blade
A short and flexible blade for precise cutting in confined spaces, will follow contour of curved glass.
6" Long

WK24RS • Flexible Reverse Serrated Blade - Curved Glass
Extra long reach for access to hidden adhesives, will follow contour of curved glass.
9-1/2" Long

WK24ZV • Flexible “V” Edge Moulding Removal Blade
For removing body side mouldings & emblems fitted to concave panels.
6" Long

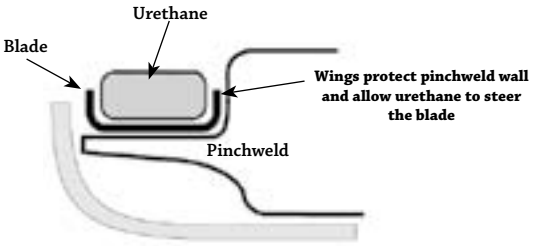
WK4ZVS • Serrated Short “V” Edge Blade
Rigid blade tip for cutting along flat surfaces.
5-1/2" Long

WK24ZVS • Serrated Flexible Short “V” Edge Blade
Flexible blade tip for cutting along curved surfaces.
6" Long

WK2VS • Serrated Flat “V” Edge Blade
Rigid blade tip for extended reach.
9-1/2" Long

WK4ZVRS • Reverse Serrated Short “VR” Edge Blade
Rigid blade tip for cutting along flat surfaces.
5-1/2" Long

WK24ZVRS • Reverse Serrated Flexible Short “VR” Edge Blade
Flexible blade tip for cutting along curved surfaces.
6" Long



"Winged" Anti-Scratch Pinchweld Preparation Blades

Avoid damage to paint when removing excess urethane.

Anti-scratch pinchweld preparation blades work equally well for removing excess urethane after a windshield removal or for safely removing urethane with shattered tempered glass fragments. The blades are sharpened on the outside of the curve so they will not dig into paint if they were to rub against it.

WK6S • 1/2" Wide
WK6M • 3/4" Wide
WK6L • 1" Wide

WK6SET • Pinchweld Preparation Kit

This kit consists of three "winged" anti-scratch pinchweld blades 1/2", 3/4", and 1", along with a wide pinchweld preparation blade (1-9/16") for removing the urethane along the bottom of cars with wide urethane. Also included is a WK7 manual handle and a hex key for removing and replacing the blades.

Anti-Scratch Pinchweld Preparation Flat Blades

These blades have a rounded corner on the sharpened end that will not damage the paint if they are accidentally pushed against the side of the pinchweld. Auto Body Shops can also use the blades for quick and safe removal of body deadener, and seam seals.

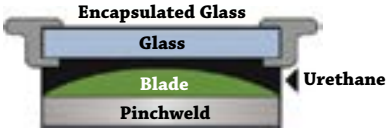
WK615 • 9/16" Wide
WK625 • 1" Wide

WK640 • Wide Urethane, Body Deadener, and Seam Sealer Removal Blade

Across the bottom of the glass on some windshields you have a very wide band of urethane. With this blade you need only make one pass to remove all the urethane. If you own a body shop and must remove body deadener or seam seals then you will really appreciate this tool.

1-9/16" Wide

BTB Oscillating Blades



BTB oscillating blades are thin, flexible and precisely machined with one side flat and one side radiused. The blades' unique design is wider and thinner making them out-perform most oscillating blades on the market. The purpose of this is to give the blades strength by making them wider, but give them a low drag ratio by making them thinner. The standard blades are made for glass that is not encapsulated and where the blade rides against the glass. The reverse blades are sharpened on the opposite side and designed to be used on encapsulated glass. With this design the radius of the blade forces the blade down against the pinchweld and under the mouldings. This will prevent the encapsulation from being damaged.

Standard Blades

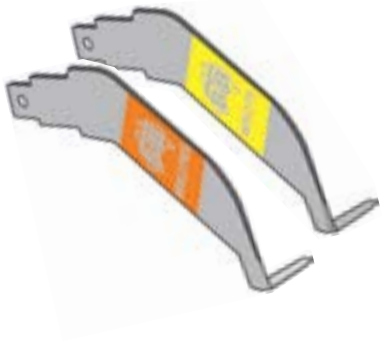
OHB85 • 3-1/2" Long
OHB120 • 4-3/4" Long
OHB150 • 6" Long

Reverse Blades

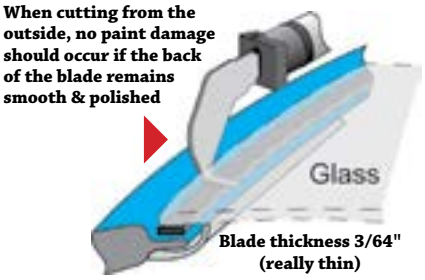
OHBR85 • 3-1/2" Long
OHBR120 • 4-3/4" Long

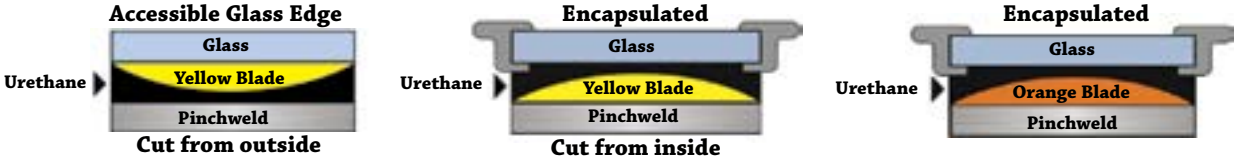
Powered Cold Knife Blades

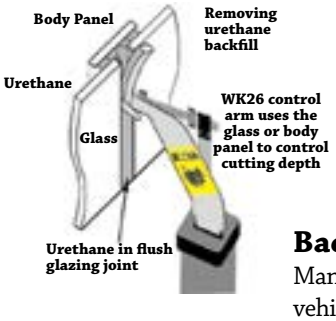
Designed to cut from outside the vehicle, these blades work just like a manual cold knife or pull knife, except the BTB tool does the work for you, rather than having the strain of pulling a blade through the urethane. Available in standard (Yellow) for regular (exposed edge) glass or reverse (Orange) for encapsulated glass removal.

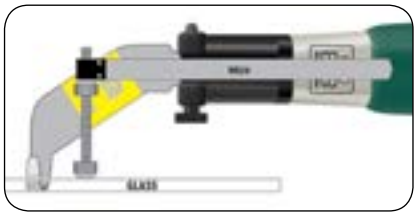


Standard	Description	Reverse
WK27S	Left Hand Power Cold Knife Blade 3/4" Tip Length	WK27RS
WK27M	Left Hand Power Cold Knife Blade 1" Tip Length	WK27RM
WK27L (High Profile)	Left Hand Power Cold Knife Blade 1-1/4" Tip Length	WK27RL (High Profile)
WK27XL	Left Hand Power Cold Knife Blade 1-3/4" Tip Length	Not Available
WK28S	Right Hand Power Cold Knife Blade 3/4" Tip Length	WK28RS
WK28M	Right Hand Power Cold Knife Blade 1" Tip Length	WK28RM
WK28L (High Profile)	Right Hand Power Cold Knife Blade 1-1/4" Tip Length	WK28RL (High Profile)
WK28XL	Right Hand Power Cold Knife Blade 1-3/4" Tip Length	Not Available


When cutting from the outside, no paint damage should occur if the back of the blade remains smooth & polished
Glass
Blade thickness 3/64" (really thin)




Body Panel
Removing urethane backfill
Urethane
WK26 control arm uses the glass or body panel to control cutting depth
Glass
Urethane in flush glazing joint



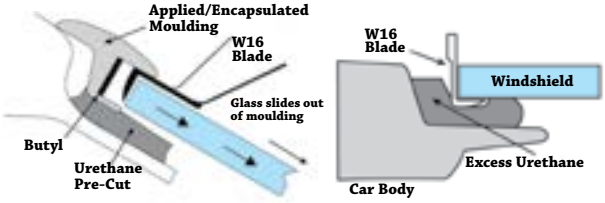
Backfill Removal Blades

Many buses and large vehicles use flush glazing, meaning the different sections of glass down the side of the vehicle are set about 1/4" to 3/8" apart and the space between is filled with urethane. Backfill Removal Blades will remove this urethane quickly and easily.

WK176 • 1/4" Blade Channel Width
WK174 • 5/32" (slightly larger than 1/8") Blade Channel Width
WK26 • Cutting Depth Control Arm

Glass & Moulding Separation Blade

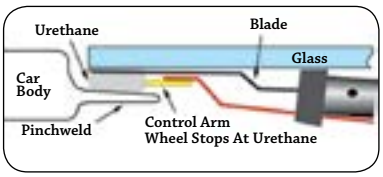
These blades can be used manually or with a power tool. They are designed to release the moulding from the glass so that the glass will slide down and out of the moulding. They also work great for releasing the glass when urethane wraps around the back side.



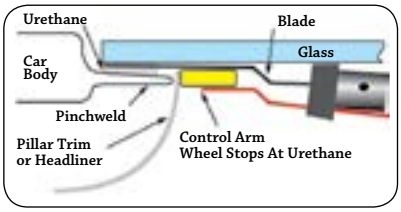
WK16SL • 3/16" Tip • Short Tail Left Hand
WK16SR • 3/16" Tip • Short Tail Right Hand
WK16LL • 5/16" Tip • Long Tail Left Hand
WK16LR • 5/16" Tip • Long Tail Right Hand

Depth control arms give technicians confidence in avoiding damage to painted pinchwelds, encapsulated moulding, vehicle body and cutting blades. They provide precise, adjustable blade cutting depth control and provide a smooth cut, with wheels rolling easily along all surfaces.

This depth control arm has a thin 1/32" wheel and is intended to be used over the Yellow WK3, WK4, & "Z" blades. The wheel rolls smoothly along uneven (in & out) urethane surfaces.
WK11AW

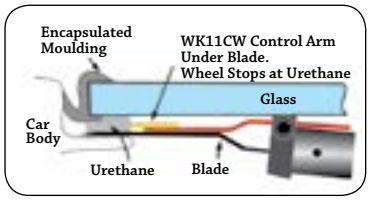


This depth control arm has a large plastic wheel that rolls along the A-pillar trim, soft headliner or vehicle body panel. It is intended to be used over the Yellow WK3, WK4, & "Z" blades.
WK11BW5

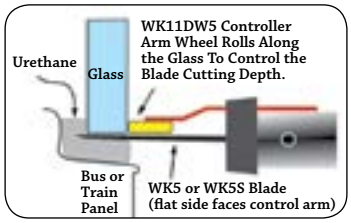


Long Offset End

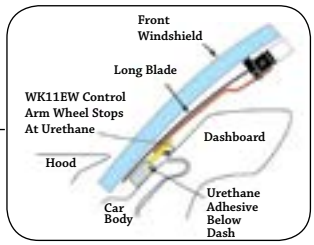
This depth control arm with a 1/32" wide wheel on each end spaces the blade away from the encapsulated glass and is designed to roll smoothly along uneven (in & out) urethane surfaces. The arm provides support for the Orange reverse blades to avoid any blade flapping or shaking. Use the long offset end under the Orange WK4RS blade. Use the short end under the Orange WK4ZRS & WK24ZRS blades.
WK11CW



This depth control arm is made with a large plastic wheel and intended for use under blades WK5 & WK5S when removing backfill from the glass edge (buses & trains). In this application the wheel rolls along the glass. It is also used over other flat blades such as WK2S to control cutting depth for longer reach cutting applications. When used in this application the wheel rolls along the window glass or vehicle body trim.
WK11DW5


Urethane
Glass
WK11DW5 Controller Arm Wheel Rolls Along the Glass To Control the Blade Cutting Depth.
Bus or Train Panel
WK5 or WK5S Blade (flat side faces control arm)

This is a long depth control arm with a thin 1/32" wheel designed to roll smoothly along uneven (in & out) urethane surfaces. It is intended for use over WK1 & WK1S long blades for excellent control on blade-cutting depth where a long reach below deep dashboards is necessary.
WK11EW



Long Offset End **Short Offset End**

This depth control arm has a thin 1/32" wheel on each end designed to roll smoothly along uneven (in & out) urethane surfaces and encapsulated moulding. Use the long offset end over the Yellow WK2, WK2S, WK24 & WK24S blades or under the Orange WK24RS blade for encapsulated glass removal. Use the short offset end over Yellow WK3 & WK4 blades or under the Orange WK4RS blade for encapsulated glass removal.
WK11FW

WK7 • Manual Handle For Blades & Pinchweld Preparation Tools
All BTB blades are designed to be used with a manual handle. Of course, some of the blades work better with a manual handle than others. Made with a yellow nylon chuck insert.

WK7L • Manual Double Handle For Blades & Pinchweld Preparation Tools
This handle gives you greater leverage when using the blades. With the double handle you can take hold with both hands and exert more force when needed. Made with a yellow nylon chuck insert.

WKKEY • BTB Hex Key
This 4mm hex key is made to fit all BTB power tools, manual handles, and depth control arms.

Saw Blades For BTB Tool
The WK10HD can be used as a saw. We stock three types of blades: WK610 (18 teeth per inch) for cutting plastics, WK624 (24 teeth per inch) for general use and WK630 (32 teeth per inch) for cutting metal/steel.

WK610 • Package of 5
WK624 • Package of 5
WK630 • Package of 5

Guide For Saw Blades
This is the guide that controls the saw blade.
SPB345

WK10OB • BTB Tool Oil
Why will a BTB tool run on 4 CFM and produce the power of a much larger tool? The close tolerances of the tool is the answer. Because of the close tolerances, regular air tool oil can gum up the motor. For this reason we strongly recommend using only BTB air tool oil.
1 Fluid Oz.

WK9 • Adjustable Nozzle Spray Bottle
The sprayer part is made of Polypropylene and the 6 oz. bottles are made of high density Polyethylene. It is adjustable for a fine, medium and hard mist.

WK11VEL • Velcro® Self-Adhesive Pads
Velcro® pads attach to the blades so they will glide easily on the glass without doing any damage.
Roll of 25

WK20 • Windshield Stick
Handy for cleaning up urethane, prying off garnish mouldings or lifting up metal, plastic or rubber mouldings so you can get under them.

Intro & Auto Glass Removal Training DVD
Video that will provide a product introduction and give you detailed information about how to use the BTB tool .
WK12DVD

Tools Not Included

Replacement Carrying Case And Vinyl Tool Roll
WKTB • Vinyl Tool Roll
WKBX • Plastic Carry Case

SFE329 • Express® Blade Sharpener

Retain the chisel edge on your Express® Blade

To get the best performance, it is important to put a good edge on the blade every time you use your auto glass cut-out knife. Since you do not always have access to a bench grinder, this sharpener will do that quick touch up that brings the blade back to a razor-sharp edge. You can sharpen the blade in about 10 seconds by dragging the sharpener across the blade 3 or 4 times. All off-the-shelf sharpeners will put a V-type edge on the blade and this type of sharpening can prevent the tool from working properly. Our Express® Blade Sharpener puts the chisel-type edge on the blade and keeps your auto glass cut-out knife operating at peak performance. It also features a built-in protector to keep you from cutting your hand on the blade.

Diamond Files

Our Diamond Files are made of monocrystalline diamonds and their strong, single-crystal structure does not break apart with use. If you want to use a lubricant, use only water. To clean them just scrub with a bristle brush and dishwashing soap. The **red** file is **fine** and will put a razor edge on your cutting tools. The **blue** file is **coarse** and will sharpen blades like a normal file. Total length is 7" long and the file area measures 2-1/2" long.

LTR274 • Fine
LTB275 • Coarse

SHS792 • Sharpening Stone

This sharpening stone is designed to keep your hand away from the item being sharpened. Great for sharpening Equalizer® Blades, cold knife blades, or any other blade you want to put a razor-sharp edge on.

4237 • Equalizer® High-Heat Grease • 2 Oz.

This grease was originally sold for use when rebuilding an Equalizer® tool. Over the years, we have had many people tell us how great it is for greasing moving parts inside a door. This is a high-heat grease that can also be made for lubricating the inside of the Express® sheath where contact with the blade can occur.

SLL347 • Super Lube® Sheath Lubricant • 3 Oz.

This is a high-heat grease made for lubricating the inside of the Express® sheath where contact with the blade can occur. This contact usually happens when a blade must curve in order to ride against the glass. This curving of the blade pushes it against the sheath and causes wear on both the blade and sheath if no lubricant is used. Using a small amount of our Super Lube® Sheath Lubricant on the inside of the sheath will extend the life of your sheath. This clear, non-toxic formula protects in temperatures ranging from -45°F to + 450°F and its effectiveness will not be reduced by cutting lubricant or water.

ECL784 • Equalizer® Cutting Lubricant • 8 Oz.

Using our lubricant improves cutting action and reduces drag on the blade. It will not damage the dash or headliner. Mix at a 16 to 1 ratio (16 parts water to 1 part cutting lubricant) to make 128 ounces of cutting lubricant. The ECL784 contains no dyes, fragrances or VOC's so that means when you spray the product in a hot car, it won't take your breath away! Also, it evaporates slower providing a longer lubricating period. Made in the USA.

ECG445 • Electrical Contact Grease • 2 Oz.

A common problem that technicians encounter is that the contacts in the battery or tool wear out. This is caused from the battery being taken in and out of the tool hundreds of times, and the vibration that occurs with every tool no matter how secure the battery is held in place. In order to keep the contacts from wearing, apply our Electrical Contact Grease on the battery and tool contacts. Place a small amount on the battery contacts every couple of weeks and the grease is then transferred to the contacts in the tool and both sets of contacts will last longer.

POLY2 • SuperSoaker™

Unlike other pump sprayers, our 1 liter SuperSoaker™ produces more pressure with less pumps, so it takes less work to pressurize the tank. The SuperSoaker™ utilizes a thick rubber O-ring that seals effectively. Why is a good seal important? Because you can pump it up and it will stay pumped up for days. The handle incorporates a "lock" position for times when you need to really soak an area. It also has a moveable nozzle with spray guard. We have tested them all and the SuperSoaker™ is by far the most rugged and well built pump sprayer on the market.

PLS429 • Aqualizer™

Our 1-1/2 quart Aqualizer™ is a pump style sprayer that produces enough pressure to last for days and features a "lock" position on the handle for times when you need to really soak an area. After feedback from technicians, we upgraded from a metal nozzle to a plastic one eliminating the possiblity of rust or corrosion of the nozzle.

Air Tool Accessories

FI1116 • 20' Air Hose with Mounting Brackets

FH1115 • Air Control Unit

FJ1117 • 25' Rubber Air Hose

GU1162 • 1/4" NPT Quick Coupler

GW1164 • 1/4" NP Female-Type Plug

GV1163 •1/4" NPT Male-Type Plug

GX1165 • 1/4" NPT Connector

RR354 • Air Regulator

SA731 • Swivel Hose Connector

FM1120 • Inline Air Tool Oiler

ALM525 • Air Tool Oil

CES1475

CEM1476

CEL1477

12-Volt DC to 120-Volt AC Inverters

Use the battery of your mobile vehicle to power your 120-Volt Equalizer® tools, vacuum cleaners, drills, and bench grinders. Just remember that Amps X Volts = Watts. This simple calculation should help you determine what tools you can use on this inverter. An inverter will run most tools used by an Auto Glass Technician for 15 minutes before the vehicle must be started. Start your vehicle, let it run, and you can run a tool continually because the alternator will charge the battery faster than the inverter can discharge it. Each of our inverters has a low battery alarm and a low battery shut-down. The low battery shut-down turns the inverter off if the battery is drained to 10 volts, and that is more than enough to crank the vehicle for several minutes. Equalizer® Inverters have a 1-year warranty against factory defects. All inverters have automatic thermal protection, extra surge capacity, low input voltage alarm, low battery shut-down, and reverse polarity protection. The CES1475 measures 7-9/16" L x 6-1/4" W x 3" H. The CEM1476 measures 8-3/4" L x 8" W x 3-1/4" H. The CEL1477 measures 10-1/4" L x 9" W x 3" H. Each inverter includes a set of 3' hook-up wires.

CES1475 • 1000 Watt
CEM1476 • 1500 Watt
LT1500 • 3' Long Replacement Hookup Wires for CES1475 & CEM1476
CEL1477 • 2500 Watt
LT2500 • 3' Long Replacement Hookup Wires for CEL1477

Inverter Number ↓									
CES1475	No	No	No	Yes	Yes	No	Yes	No	
CEM1476	No	Yes	Yes	Yes	Yes	No	Yes	360 No	Black-Ops™ Yes
CEL1477	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	

Hand Tools

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Scan to Watch Python™ Video

Equalizer® Python™

Rotating Wire Removal System

Invented by: Casey Mecham and Ryan Nye

Modern vehicles have tighter tolerances between the glass and the body. This can pose a problem when trying to remove glass with conventional wire tools, leading to damage of the pinchweld or glass itself. We've solved this problem with our revolutionary Python™ System which uses a unique, directional suspension reel. This reel allows the technician to wire-out todays auto glass safely and effectively. With just the movement of a curved stainless steel slide handle, the specially designed wire will cut through the toughest urethane with no resistance. Can also be used with cut-out line/cord. Setup time takes just a few minutes; just insert the cut-out wire (line/cord) onto the outside of the vehicle beneath the moulding, place the Python™ Suction Cup Assembly on the inside of the glass and you will begin one of the easiest wire removals you have ever done. This kit Includes: 1-Python™ Cup Assembly, 1-Slither™ Corner Cutting Assistant, 1-Venom™ Wire Dispensing Unit, 1-T-Handle Centerstart™, 1-Installation Stick, 1-Dash Protector, 1-Wire Pulling Pliers/Cutter Combo, 5-Guide Pins, 4 rolls of Squire wire (A total of 656 feet) and an instructional DVD. All packaged in a heavy-duty plastic, foam lined case.

PWT1113 • Python™ Kit
CCA1123 • Slither Corner Cutting Assistant
PCA1121 • Cup Assembly
WGT112 • Wire Grip
UP334 • Guide Pins • Package of 5

CCA1123
Corner Cutting Assistant

PCA1121
Cup Assembly

WGT112 Wire Grip

VIP1124 • Equalizer® Viper™

Invented by: Eric Asbery & Gilbert Gutierrez

The Equalizer® Viper™ is a wire removal device designed for small quarter glass removals, but can also be used on windshields and back glasses. It's small, light, and easy to maneuver. Simply use a 1/2" drive ratchet with a 1-1/8" socket slipped over the shaft of the tool to rotate the wire reel. The double direction capability of the reel allows for optimum use and the magnetic points on the ratchet shaft ensure that your ratchet stays firmly attached to the tool, even in steep/vertical scenarios.

Coming Winter 2014
Check www.equalizer.com/viper for updates and details

MAC1125 • Equalizer® Mini Anchor Cup

Invented by: Jason Horne

Compact size allows you to keep the wire closer to the glass surface. Design makes it easy to attach the wire and strong suction cup holds in the toughest of situations. Measures 2-1/8" in diamter (the anchor tab adding an extra 1/2" to that) and 1-1/2" H when the suction cup is engaged.

Equalizer® Cobra™

Ratcheting Wire Removal System
Invented By: Roberto Montenovo

Scan to Watch Cobra™ Video

The auto glass in today's modern vehicles have tighter tolerances between the glass and the body. It is becoming quite impossible on some automobiles to not excessively damage the pinchweld when removing the glass. Many technicians have returned to their roots and started using cut-out wire again in an effort to save the pinchweld from possible damage. The problem is that urethanes have become much more dense and difficult to cut through since the old days of wire removal. The Equalizer® Cobra™ Wire Removal System uses a smooth, ratcheting process to glide specially designed cut-out wire through tough urethane with the greatest of ease. Setup takes just a few minutes and you'll begin the easiest wire removal you've ever done; and all without leaving a single mark on the pinchweld. This will save valuable time in priming and will prevent rust from forming on missed areas of damage. This professional quality tool is designed to offer years of maintenance free service. Kit Includes: 1-Cobra™ Cup Assembly, 1-Wire Grip Cup Assembly, 1-Ratchet, 1-Wireguard™, 1-T-Handle Centerstart™, 1-Installation Stick, 1-Dash Protector, 1-Pair of Equalizer® Headlights and 4 rolls of Squire Wire (A total of 656 feet). All packaged in a heavy-duty plastic, foam lined case.

MRC1105 • Cobra™ Kit
MRH1107 • Cup Assembly
MRK1108 • Ratchet
WGT112 • Wire Grip

MRH1107 Cup Assembly

WGT112 Wire Grip

Shown With LWH200 Handle

Patent No. 5622093

Shown With TWH500 Handle

SideWinder™ Kit

The Original Wire Cut-Out Tool

Invented by: Mark R. Hutchins

The SideWinder™ acts like another person sitting inside the vehicle pulling the wire back after you have made your cutting stroke. Designed by an Auto Glass Technician, the SideWinder™ is manufactured with a powerful vacuum cup that is attached to the inside of the windshield. An aluminum swivel, riding on a ball bearing, allows the swivel to follow the wire. Attached to the swivel is a spring that acts as a second person; you pull the wire out to make your cut and the spring pulls the wire back in. You use different areas of the wire because the distance is greater from the center to the side than from the center to the top or bottom of the windshield. Each kit contains one SideWinder™ cut-out tool, one roll of TW72 TightWire™, one WS782 Wirestarter™, and one handle grip. Made in the USA.

VSR73 • With TWH500 Handle

VSR73E • With LWH200 Handle

RipCord™

Safer Alternative to Steel Auto Glass Cutting Wire

Engineered and developed to provide durability, strength, performance, and safety to enhance the cutting results of any auto glass wire cutting system... RipCord™ offers the auto glass industry its first reusable auto glass removal line. RipCord™ features a "no load under stress" reaction to line breakage. If the line breaks, it will not retract, spin or coil the way steel and braided wires do. This keeps the technician safe from potential injury. The RipCord™ is packaged in 25 ft. or 300 ft. spools. Each length of RipCord™ that the technician uses for cut out is reusable, extending the life of the spool. This material will perform well with any existing auto glass wire cutting system available on the market today.

RC25 • 25 Ft. Sample Size

RC300 • 300 Ft. Roll

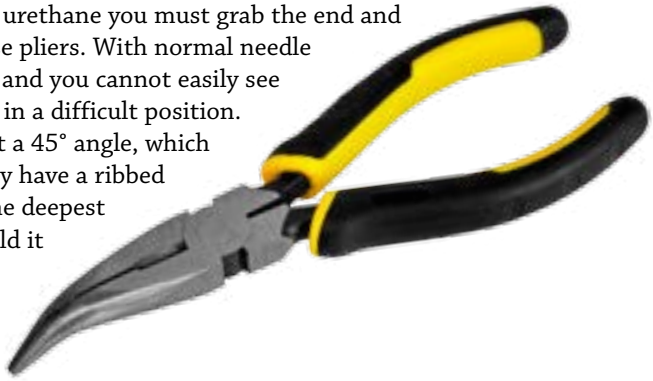
Push grips in and slide back to close and lock jaws

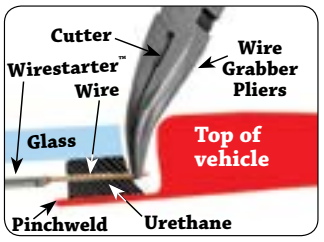
PLC333 • Pocket Line Cutter

Our Pocket Line Cutter works great on our RipCord™ line, as well as braid, flouro and mono lines. Made with stainless steel jaws that cut clean and smooth every time! It's small size and retractable cable make it easy to carry with you wherever you go. Measures 3"L x 3/4"W (when in the locked position). Cable length when fully extended is 28"L.

BNP516 • Wire Grabber Pliers & Cutter

After you put the wire through the urethane you must grab the end and pull it out with a pair of needle nose pliers. With normal needle nose pliers your hand is in the way and you cannot easily see the wire without holding the pliers in a difficult position. Our Wire Grabber Pliers are bent at a 45° angle, which puts your hand out of the way. They have a ribbed nose that is 2" long to reach into the deepest pinchwelds to grab the wire and hold it tighter. Now comes with the added benefit of wire cutters.
Made in the USA.





WDD167 • Equalizer® Venom™

Wire/Line Dispensing Device
Idea by: Shauna Davis

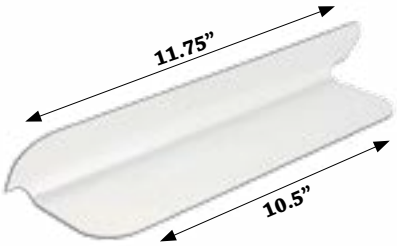
The Equalizer® Venom™ is a wire/line dispensing device created to be used in conjunction with removal systems such as the Equalizer Python™ and Equalizer Cobra™ and Equalizer Viper™. To use, just slide the roll of wire/line onto the spindle tighten in place and feed the end of the wire/line through the roller. Unit can be suctioned to glass or body of vehicle to free up hands. Includes one roll SWL165 wire.

HP564 • Equalizer® Clear Headliner Protector

Invented by: Gilbert Gutierrez & Jason Horne

NEW

The headliner protector gives you the ability to protect the a-pillar trim and the headliner while using our wire cut out tools. It will allow the wire to pass over the headliner where it comes in contact with the a-pillar trim. Then simply remove from the a-pillar and slide up into the headliner keeping the wire between the clear headliner protector and the glass. Made of a clear heavy-duty, yet flexible plastic which allows you to see what you are working on.

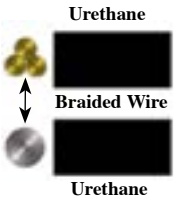


Protect-A-Dash™

Invented by: Tim Slaughenhaupt

Many windshields cannot be removed without cutting across the bottom of the windshield from the inside. If you are using wire or a tool with an exposed blade there is always a possibility you could cut or damage the dash. Each side of the flexible Protect-A-Dash™ is made to perform a specific function. The side that goes against the windshield is a slick, tough nylon so the tool or wire will slide easily across the dash protector. It is rounded at the bottom to fit down into the corners of curved dashes. The back side is a non-skid foam pad that both protects the dash and prevents the Protect-A-Dash from slipping out of position.
Made in the USA.

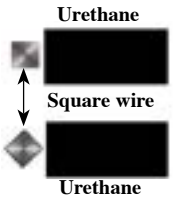
CU1077 • 16” x 9-1/2”
BDP1078 • 32" x 14"



TightWire™

TightWire™ is designed to our specifications especially to cut urethane. It is composed of three super-strong, stainless steel wires braided to form one wire that when pulled in a straight line, cuts with a sawing action. Anodized to a smooth finish with a distinctive gold color with a diameter of .030".

TW72 • 72' Roll
TW72PKG • Package of 10-72' Rolls
TWF164 • 164' Roll
TWF164PKG • Package of 10-164' Rolls



Squire™ Wire

Square auto glass cut-out wire.

Amazing but true, the cutting ability of this square wire is better than traditional round or braided wire. The square wires flat side is drawn against the urethane, it tilts and begins cutting with the V-corner of the wire. This gives it a cutting ability that is superior to any wire in the world. Made of high-tensile strength stainless steel with a diameter of .024".

SSW508 • 72' Roll
SWL165 • 164' Roll
SWL165PKG • Package of 10-164' Rolls

TWK502 shown

Start-Up Kit With TightWire™ Grips

With this money saving kit you have everything you need to remove windshields; wire to cut the urethane, handles to hold the wire and a wire starter to push the wire through the urethane. Includes one roll of wire, one set of TWH500 TightWire™ Grips and one WS782 Wirestarter™.

TWK502 • 72' Roll of TightWire™
TWK575 • 164' Roll of TightWire™
SQK210 • 72' Squire™ Wire Roll
SQK213 • 164' Squire™ Wire Roll

SQK224 shown

Start-Up Kit With GripTite™ Handles

This money saving kit includes one roll of our wire, one set of LWH200 GripTite™ Handles and one WS782 Wirestarter™.

TWK202 • 72' Roll of TightWire™
TWK202164 • 164' Roll of TightWire™
SWK202 • 72' Squire™ Wire Roll
SQK224 • 164' Squire™ Wire Roll

Triad™

Triangular auto glass cut-out wire.

Triad™ is a triangular wire designed to our specifications especially to cut urethane. Made of high-tensile strength stainless steel with each side measuring .85 mm.

TRI78 • 72' Roll

TRI176 • 164' Roll

LWH200 • GripTite™ Handles

Wire gripping handles with quick wire release.

A grip with a hollowed-out, wedge-shaped shaft is the secret to these unique wire grips. Feed the wire through the hole in the wedge shaft, loop it through the hole at the top of the shaft and then back into the large plastic handle. By pressing the wedge back into the handle, the wire is held in place. To shorten the wire, press down on the front part of the shaft, releasing it from the handle, and adjust your wire. GripTite™ Handles have a special design that keeps the wire away from your fingers at any angle and gives you a non-slip grip.

Set of 2

TWH500 • TightWire™ Grips

Invented by: Ray Asbery

These grips hold cut-out wire quickly and securely. They work equally well on solid, square or braided cut-out wire. To use, unscrew the two halves and fully insert the wire end into the hole. Bend the wire over and pull it around the center at least one time. Then twist the handles back together tightly. It is made of aluminum with red Neoprene handle covers. Each set contains two handles.

Set of 2

DWH521 • GripTite™ VC

Wire gripping handles with quick wire release & vacuum cup holders.

These are the same handles as our LWH200, but with a vacuum cup attached on one end of each GripTite™ VC handle. This is useful because it allows you to pull the wire tight and attach the pull handle to the glass while you move from one location to another. Keeping the wire taut prevents the wire from kinking when you release the handles to move to another location. The secret to these grips is a hollowed-out, wedge-shaped shaft that puts pressure on the wire and holds it firmly in place. The harder you pull the better they hold. GripTite™ VC handles have a special design that keeps the wire away from your fingers at any angle and gives you a non-slip grip.

Set of 2

Loop Wire Starter

Invented by: Eric Asbery & Gilbert Gutierrez

An innovative, patent-pending idea for those vehicles when you insert the wire starter and there is not enough room to see the hole of the wire starter (ie. the Jeep Wrangler - DW1668). Also, works great for starting line/cord that can be difficult to secure on a conventional wire starter. Comes with 5 extra wire loops.

LS1134 • Loop Wire Starter

WL1135 • Extra Wire Loops • Package of 5

Patent Pending

Centerstart™

Many technicians remove difficult windshields by starting the wire through the top and bottom center of the windshield, then cutting towards each side, but on many vehicles where the urethane is far below the dash, the wire can be almost impossible to start without a wire starter. To use the wire starter, place the wire into the slot and bend the wire over the tip. Then push the sharpened tip through the urethane and the wire stays in place while you remove the wire starter.

CS789 • In-Line Handle
JN1130 • T-Handle
FG1129 • Pistol Grip

Tech Tip: Occassionally you will need to use a file to sharpen the end of all wire starters to keep them piercing the urethane effectively.

Wirestarter™

Invented by: Eric Asbery

Wire can be almost impossible to put through urethane. Wirestarter™ solves this problem. To use Wirestarter™, push the hollow stainless steel tube through the urethane, insert the wire through the tube, pull the wire through the urethane, and remove the Wirestarter™. Be sure to lay the flat side of the aluminum handle against the glass and then use your thumb or fingers to push the tube through the urethane. Also, be sure to concentrate your force directly in line with the tube. Failure to follow these directions may result in the tube bending.

WS782 • 4" Tube
WS782P • 8" Tube

DGE100 • Wire Guide

The Wire Guide's long, narrow shaft protects the dash and interior mouldings from being damaged. Run the wire through the hole at the end of the tool. Then, with the wire on the round side of the tool, attach the end of the wire in the hole midway up the shaft, locking it in place with the set screw (see image). Move the tool on the inside of the vehicle a few inches at a time. The person on the outside of the vehicle follows along doing the cutting. The smooth metal will move under the mouldings and along the dash to prevent damage. The Wire Guide can also be used on the outside where the urethane is far below the dash but above the bottom edge. Use this tool to change the direction of the wire so you can cut this inaccessible urethane.

GWH366 • WireGuard™

Invented by: Tim Slaughenhaupt

One problem you often encounter when using wire is it cutting into the garnish mouldings or headliner. To prevent this, most technicians use an installation stick to hold the wire against the glass, but it is difficult to hold the stick and cut at the same time. Our WireGuard™ solves this problem for you. It is made with a vacuum cup on each end, a steel band between the vacuum cups and a steel rod which runs the length of the band. The rod gives strength and provides a smooth surface so the wire will slide easily without cutting into it. Spray water on the inside of the glass and you can slide the WireGuard™ along as you cut, no need to remove and replace it. Made in the USA.

Standard Cold Knife

Our Standard Cold Knives are made of the highest-quality materials. They have a stainless steel pull cable with a fused end flute and large, easy-to-grasp aluminum pull handle that is virtually indestructible. The screws and bolts are metric size, but we keep all the extra parts in stock if you wear anything out and want to replace it. Comes with one blade. Made in the USA.

GK380 • 4-3/8" Long with Z2 Blade
RH161 • Pull Handle Only

Economy Cold Knife

CTK382 • 5" Long with Z4 Blade

Cold Knives With Neoprene Covers

Know the size of your blade at a glance.

Paint jobs have become more complicated. Anywhere from three to as many as seven layers of paint are being applied. If you damage the paint you are in trouble! To help you stay out of trouble, Equalizer® has added a soft, Neoprene cover to our GK380 Standard Cold Knife to help prevent paint damage and give the cold knife a comfortable, soft, non-slip grip. The covered wire on the pull handle prevents damage to the hood, vertical posts and other painted parts. Now you can know the size of your blade at a glance: yellow is 3/4", red is 1" and green is 1-1/2". Always put the same size blade in the same color tool and you will know what length the blade is. Made in the USA.

MA1277 • Yellow Cold Knife with 3/4" Blade
CK304 • Red Cold Knife with 1" Blade
MB1278 • Green Cold Knife with 1-1/2" Blade
MC1279 • One Of Each Color: Yellow, Red, Green

MA1277 CK304 MB1278

Cold Knife Covering Kit

Color code your cold knife for a specific blade size.

Would you like to cover the cold knives you already have? This kit includes everything you need to cover them. Most technicians keep three different cold knives with a different size blade in each one. Put a different color cover on each knife and you know at a glance what size the blade is by the color of the cover. Made in the USA.

MKC302 • Red
LP1266 • Green
LQ1267 • Yellow
LR1268 • All Three Kits: Red, Green, Yellow

MKC302

Quicknife™

Put the blade at any depth you want and push the lever back down to lock the blade in place. A unique clamping device inside the cold knife locks the blade at any height without the need for pins or bolts to fit through the holes. The pull handle is attached to the body of the cold knife so there is no need to remove the handle to change blades. A quick pull of the lever releases the blade. The cold knife handle is made of aluminum and is oblong shaped. This style helps prevent a cold knife from twisting in your hand. The pull handle is foam-covered for comfort. Comes with one Z2 blade. Made in the USA.

BNQ271

PN3010RK • Pull Handle Only

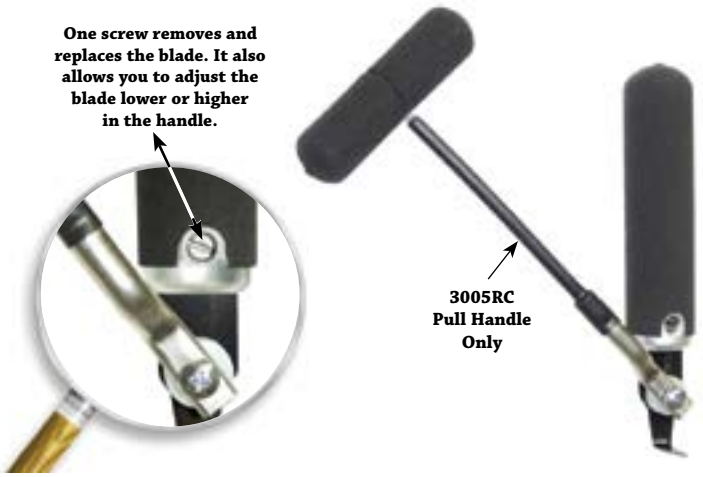
Quicknife™ SL

The Quicknife™ SL is 20% smaller than the original BNQ271. Comes with one Z2 blade.

BQS257

Patent No. 7,596,871

BNQ271 1-1/2" **BQS257 1-1/4"**


One screw removes and replaces the blade. It also allows you to adjust the blade lower or higher in the handle.
3005RC
Pull Handle
Only

UltraWiz® UltraOne

Auto Glass Technicians know that UltraWiz® has a reputation for quality cold knives and some of the strongest, sharpest and thinnest cold knife blades in the industry. This cold knife combines all you have come to expect from UltraWiz®, plus a one-set-screw system that allows quick-changes and a fully adjustable blade. A unique, durable foam cover offers comfort for the technician and scratch resistance for vehicle protection. Comes with one 1" blade.

3005K

3005RC • Pull Handle Only

UltraWiz® Cold Knife

This knife is shaped for comfort and gripping power. The handle is oblong so it will not easily twist in your hand. The pull handle is built into the body and not bolted to the blade. The PN3001K is designed for a quick blade change. Simply loosen one screw and change the blade in seconds. Comes with one 1” blade. Made in the USA.

PN3001K

PN3010RK • Pull Handle Only

Loop Handle Cold Knife

Invented by: Jim Dittrick

Cutting today's urethane with a cold knife can be difficult. You will be surprised at how much whole-body pressure you can exert while keeping the strain away from your fingers, arm and back muscles. Our Loop Handle Cold Knife is made with a super-strong loop of steel cable and covered with a heavy, rubber coating. A larger Neoprene cover allows you to tighten the loop to fit your hand and gives you a comfortable grip. The knife comes complete with handle and one Z2 blade. Do you already have your own cold knife? The loop handle can be purchased separately to fit all standard cold knives. Made in the USA.

LCK645

LFK546 • Loop Handle Only

Blade can be locked in place at any length.

Power Advance Cold Knife

The revolutionary design of the Power Advance Cold Knife is a stroke of genius for the Auto Glass Technician. The Y-handle means extra power, extra strength and extra reach! The unique design of the adjustable Y-shaped attachment controls twisting and pitch, reduces arm strain and fatigue, and allows for raising or lowering for extra clearance. The rigid knife handle gives the technician greater control for pushing or pulling. Designed with a unique blade retaining method that lets you change the blade in seconds and set the blade to any depth, so the body of the knife will clear bonded mouldings. Comes with one 1" blade. Made in the USA.

NEC398

Shorty™ Cold Knife

Prevent paint damage and improve your grip.

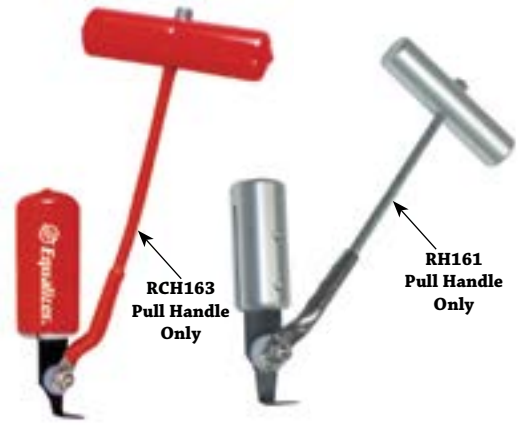
This cold knife was designed for use on vehicles where the hood comes up over the bottom edge of the windshield and rides so close that it is very difficult to get a cold knife under the hood to cut the urethane. This tool is also useful on vans and RVs where a sun visor overhangs the top of the windshield. The Shorty™ Cold Knife will fit under the visor and allow you to cut the urethane without damaging the vehicle. Comes with one Z2 blade.

SWC428 • With Cover

RCH163 • Pull Handle With Cover Only

SCN427 • Without Cover

RH161 • Pull Handle Only



Push-Button Release Cold Knife

Invented By: Jeffrey R. Cothery

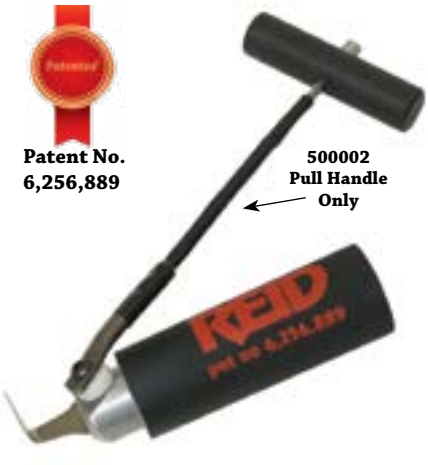
One of the most annoying things that happens to a technician is to have a blade break when he is in the middle of a job. To change a regular cold knife blade you must remove two screws and one bolt assembly that includes four different parts. It can drive you crazy when you are in the middle of a job and in a hurry. Now you can change that blade in seconds. Just push the button in the end of this cold knife and it releases the blade. Use only blades that are 3/4" wide. Comes with one RKB10SS blade. Made in the USA.

PBR313

500003 • Pull Handle Only

Push button release.

Push the release and the blade slips out quickly and easily.



Reid Push-Button Cold Knife

Invented By: Jeffrey R. Cothery

No more buying three different cold knives so you can use three different size blades. Now you can change blades with a push of a button. Simply press the recessed button in the end of the knife and the blade slides out in seconds. No screws, nuts or washers to lose. It comes with a textured grip for better handling stability, gripping action and user comfort. A coated wire handle prevents damage to car parts. Comes with 1-RKB10SS blade. Made in the USA.

JPB512 • 4-1/2" L x 1-1/4" OD

IJ1205 • 4-3/4" L x 1-1/2" OD

500002 • Pull Handle Only

UltraWiz® Quick Release Cold Knife

A fully-adjustable cold knife.

Invented By: Bob Nilsson

The most impressive thing about the blade-holding mechanism of this tool is that it allows you to secure the blade at any depth. Pull up on the lever to release the blade, push down on the lever to lock the blade (at any height). You need no tools, and since the foam-covered pull handle is attached to the body of the cold knife, you do not need to remove it to change a blade. Comes with a 1" blade. Made in the USA.

3007K

PN3010RK • Pull Handle Only

PN2002 • UltraWiz® Two-Handed Cold Knife

Many technicians today use two hands to pull a cold knife and do not use the more traditional cold knife with a pull handle. To our knowledge, there has never been any comprehensive testing about which muscles are used when pulling a cold knife, but many of our customers tell us they pull more with their stomach and upper arm muscles when pulling a two-handed cold knife. The UltraWiz® Two-Handed Cold Knife has a single quick-change screw so you can change the blade in seconds. It is 8-3/4" long to fit the largest hands. Comes with one Z2 blade. Crafted of quality aluminum. Made in the USA.

RH161 • Flexible Pull Handle

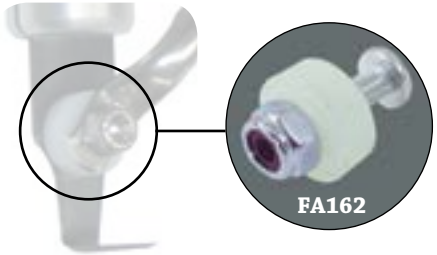
This handle is made of stainless steel and aluminum. A strong, thick, stainless steel part attaches to the screw and has a rear handle holder that is cast into the fibers of the pull wire. This is the same pull handle that comes on the GK380, SCN427, CTK382, UCH319 and UCC320. Made in the USA.

RCH163 • Red Neoprene Covered Flexible Pull Handle

The same as our RH161 but with a soft Neoprene cover to help prevent paint damage and give the pull handle a comfortable, soft, non-slip grip. This is the pull handle used on our CK304 and SWC428 and is the same handle (with different color) on the MA1277, and MB1278. Made in the USA.

FA162 • Cold Knife Nut, Bolt, and Spacer Assembly

After extended use, the bolt and spacer used on cold knives will wear out. We offer these as a replacement assembly. The bolt and nut are made of stainless steel and the spacer is made of nylon. This assembly will fit the GK380, CK304, SCN427, SWC428, and CTK382.



Equalizer® Z Blades

These innovative blades will remain flexible and retain their sharpness much longer than the average cold knife blade. The grinding of the blade is at a greater angle than other cold knife blades. This creates less resistance when pulling the cold knife to cut the urethane. The end result is a blade that has the ability to resist breaking, last longer and keep a sharp edge. Equalizer produces two types of cold knife blades. Both the standard and the coined blades use the same proprietary hardening process.

The Coined Z Blade...

The cutting surface of a coined cold knife blade is made thinner. It is only about .035" thick. A standard cold knife blade is .062" thick. Many technicians routinely grind standard cold knife blades thinner so they will cut easier. Sometimes this grinding will overheat a blade and damage the hardening. Z Blades are thinned before they are hardened so there is no need to grind them.

Should I buy coined or standard blades?

If you use a cold knife blade right-out-of-the-box and never grind it thinner, then use the standard thickness Z1, Z2, Z3, Z7 or Z9. If you like to take a new blade and grind it thinner before you use it, then you should purchase Z4, Z5, Z6 or Z8.

Z9 • 3/8" • Standard Blade • Package of 5
Z1 • 3/4" • Standard Blade • Package of 5
Z2 • 1" • Standard Blade • Package of 5
Z7 • 1-1/4" • Standard Blade • Package of 5
Z3 • 1-1/2" • Standard Blade • Package of 5

Z4 • 3/4" • Coined Blade • Package of 5
Z5 • 1" • Coined Blade • Package of 5
Z8 • 1-1/4" • Coined Blade • Package of 5
Z6 • 1-1/2" • Coined Blade • Package of 5

VZB10 • Variety Pack
One of each blade: Z9, Z1, Z2, Z7, Z3, Z4, Z5, Z8 and Z6
Package of 9

Scratch Resistor Blades

Many vehicles are produced with no moulding to cover the edge of the glass or the pinchweld. Most of these glasses are easy to remove with a cold knife, but there is a risk that the cold knife will scratch the paint. We offer two types of scratch resistor blades to protect the paint when removing these types of glasses. The BlueShield™ blades are coated with a super tough coating that will reduce the risk of damaging the paint. The Defender™ blades have a piece of self-lubricating plastic attached to the blade using a space-age adhesive. This gives extra protection to sensitive paint jobs. If you would like to try all the blades out, we offer a sample package.

CPS846 • BlueShield™ • 3/4" • Package of 5
CPM847 • BlueShield™ • 1" • Package of 5
CPL848 • BlueShield™ • 1-1/2" • Package of 5
PWP849 • Defender™ • 3/4" • Package of 5
PMP850 • Defender™ • 1" • Package of 5
PLP851 • Defender™ • 1-1/2" • Package of 5
PCB852 • Sample Package (6 Blades) One of Each Blade

Reid Stainless Steel Blades

Some of the best knives in the world are made of stainless steel. Reid features stainless steel in their line of cold knife blades. These cold knife blades are sharpened, hardened, and then honed to produce a razor sharp edge. Made in the USA.

RKB75SS • 3/4" • Package of 6
RKB10SS • 1" • Package of 6
RKB15SS • 1-1/2" • Package of 6

UltraWiz® UltraThin Serrated Cold Knife Blades

This line of blades from UltraWiz® are made from the UltraThin stock, so they are thin and strong but with the added benefit of being serrated. The thin serrated edge extends all the way to the tip of the blade and can be re-sharpened. At the bend of the blade is a distinctive center rib that also adds extra strength. The serrated points of these blades pierce the urethane as it is pulled instead of using the sawing motion of traditional serrated blades.

6901M • 3/4" • Package of 10
6902M • 1" • Package of 10
6904M • 1-1/2" • Package of 10

UltraWiz® Cold Knife Blades

These blades come in a standard thickness and a thinner version called UltraThin which average 40% thinner. Both styles are made with UltraWiz®'s dual-angle sharpening method.

PN1000 is intended for use as a starter blade. The cutting area is 3/8" long and is useful when starting your first cut on urethane that is wider than a regular blade.
Original Thickness
Package of 10

PN1001 has a cutting area that is 3/4" long. It is commonly used to cut standard-width urethane. Many technicians use this blade to make the first cut on wide urethane.
Original Thickness
Package of 10

PN1002 has a 1" long cutting area. This is the most popular blade because on most vehicles it will cut the urethane with one cut.
Original Thickness
Package of 10

PN1003 has a 1-1/4" cutting area. This blade makes an excellent second-cut blade when the longer 1-1/2" blade is not needed.
Original Thickness
Package of 10

PN1004 has a cutting area that is 1-1/2" long. Never use this blade for initial cuts. Use a shorter blade to make your first cut, then go back with this blade to make your final cut. Especially useful where urethane is very wide, such as corners and along the bottom.
Original Thickness
Package of 10

PN5001 is a 3/4" UltraThin blade.
UltraThin
Package of 10

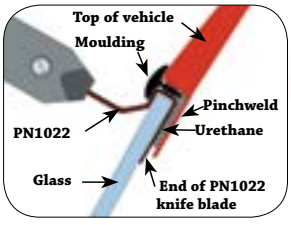
PN5002 is a 1" UltraThin blade and is the most common size used by technicians.
UltraThin
Package of 10

PN5003 is an UltraThin blade with a cutting area of 1-1/4". Makes an excellent second-cut blade when the longer 1-1/2" blade is not needed.
UltraThin
Package of 10

PN5004 is a 1-1/2" UltraThin blade and should never be used for the first cut. Always use a shorter blade to make the first cut then finish cutting through the urethane with this long blade.
UltraThin
Package of 10

PN1022 • UltraWiz® Cold Knife Blades

Cuts under the moulding around the back edge and underneath the glass. Its unique shape allows you to remove the glass without removing the moulding. After the glass is removed there is very little pressure holding the moulding into the urethane and it is easy to remove without damage. Made in the USA.
Package of 5



UltraWiz® Cold Knife Blades

For Exposed Pinchwelds

This blade is based on the UltraWiz® UltraThin blade, so it is one of the thinnest blades in the industry. They also have a smooth nylon coating on the back to reduce the risk of damage to the paint. This coating is very tough and will not easily rub off. All blades will have a small amount of coating on the inside of the shank, but it is kept as thin as possible to keep from increasing the blade thickness. The tip or cutting edge is not coated as this would reduce its sharpness. Made in the USA.

51C1 • 3/4" • Package of 10
51C2 • 1" • Package of 10
51C4 • 1-1/2" • Package of 10

UltraWiz® Interior Cold Knife Blades

The proper cutting length and angle makes this blade ideal for getting under the encapsulation from the interior of the cab. The unique design has a positive depth stop manufactured right into the blade. With this feature, you always know how deep you're cutting without the worry of pinchweld contact. The shank of the blade is angled back to allow the cold knife access into tight places, such as above headliners or behind quarter trim panels. Made in the USA.

PN5500 • 1/2" • Package of 5
PN5501 • 3/4" • Package of 5

UltraWiz® UltraThin Stainless Steel Cold Knife Blades

These innovative blades have a long-lasting edge. Specialized grinding and heat-treating techniques are applied to the production of these high-quality blades to ensure that they maintain a tough edge without becoming brittle. Their design was taken from the original UltraWiz® blades. Made in the USA.

7001M • 3/4" • Package of 10
7002M • 1" • Package of 10
7004M • 1-1/2" • Package of 10

TECH TIP: Cold Knife Blades
Never use a blade longer than 1" on the first cut and be cautious of the interiror garnish mouldings and headliner when cutting.

Auto Glass University
ΣΣ ΛΔ
POWERED BY Equalizer®

SC532 • Equalizer® Sabre™

Invented by: Jerry Witucki

The Sabre™ features a quick-change design that allows you to remove the old blade and put in a new one in seconds. It has a steel pin that holds the blade in place. Many tools of this type have a wide area where the blade locks in, but the Sabre™ has a width of only 1/8" which allows it to fit easily into any area below the dash. The handle is long enough to accommodate both hands for a firm cutting grip. Total length of the tool is 20" with the blade installed. The Sabre™ can use all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Comes with one standard utility knife blade. Made in the USA.

You must cut forward then lift the Sabre™ up so the blade clears the urethane. If you drag the Sabre™ backwards it can push the blade out of the tool.

Equalizer® Samurai

Change the blade without tools

With the Samurai you can change the blade in seconds without using any additional tools. The T-slotted blade design allows you to quickly change the blade by pulling forward and down on the blade. To put in a new blade, push it into the lower part of the knife, push it up into the locking pins, and then push it backwards. This motion locks the blade securely in place until you need to replace it again. The Samurai's handle grip is made of comfortable, long lasting Neoprene and its secondary foam grip for applying pressure on the leverage part of the knife. The Samurai measures 21" long, comes with one T-slotted blade, and is one of the thinnest urethane cutting knives on the market. Made in the USA.

ASD835

ABT836 • Package of 10 Blades

Slide the blade into the tool.

Patent No. 7,194,809

Pull the blade into the pins and slide it back to lock it.

Slingblade™

Invented by: Ray Asbery

A revolutionary concept in long knives, the Slingblade™ contains one long blade that will last for hundreds of removals. It has a spring-loaded release catch to hold the blade in place allowing you to use the entire blade before a replacement is needed. When the cutting end of the Slingblade™ becomes dull, grind the end of the blade off, push in on the catch button, then slide the blade down to the next hole to expose a new, sharp cutting surface. It measures 20" long and only 3/16" wide making it one of the thinnest long knives on the market. Crafted from stainless steel with a Neoprene grip. Comes with one BBT871 blade. Made in the USA.

BB870

BBT871 • Replacement Blade

XL2 • Olfa® Long Knife

The retractable breakaway point knife is a popular tool in auto glass and tinting shops. We are sure many of you have thought that if they were longer they would work great for cutting urethane along the bottom of the windshield. At the request of auto glass companies, Olfa® developed this knife with an incredibly strong stainless steel housing for the auto glass industry. A thumb screw allows you to lock the blade in place so it will not be pulled out by the force of cutting urethane. To change a blade, simply loosen the blade lock, slide the blade retainer out the back, drop in a new blade, and reverse the process. For blades, see page 67.

Extra blade stores under blade holder.

Telescopic Cutting Knife

This is a new and improved design of our classic AJL226 Adjustable Length Cutting Knife. It's lighter in weight and has a new blade retaining design that can store an extra blade. With this knife you get the best of both worlds; you can have use of a long knife and still store it easily in your tool box. When collapsed to its shortest length the knife measures 18" long, but with a twist of the handle the knife will extend up to 24" in length and can be twisted to lock securely in place at any length in between. The Telescopic Cutting Knife uses all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Comes with one standard utility knife blade.

ALK230
RB361 • Extra Blade Clamp and Screw

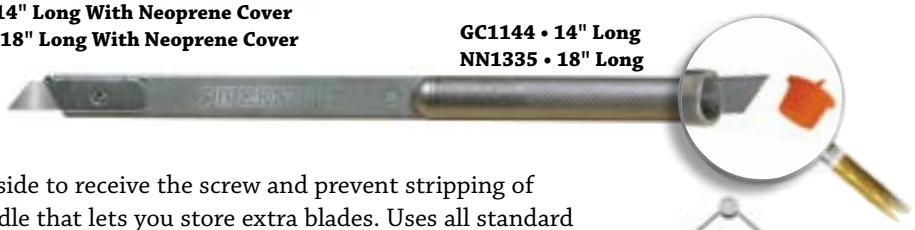
RB361 blade clamp and screw.

AJL226 • Adjustable Length Cutting Knife

With this knife you get the best of both worlds; you can have use of a long knife and still store it easily in your tool box. When collapsed to its shortest length the knife measures 18" long, but with a twist of the handle the knife will extend up to 24" in length and can be twisted to lock securely in place at any length in between. The 3/16" thick shaft and blade retainer are made of steel and the blade retainer is held in place by a Phillips screw. The Adjustable Length Cutting Knife uses all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Comes with one standard utility knife blade. Made in the USA.

SI1412 • 14" Long With Neoprene Cover
SK1414 • 18" Long With Neoprene Cover

GC1144 • 14" Long
NN1335 • 18" Long



PipeKnife™

This tool has been around the industry for years and is still one of the most used long knives. The PipeKnife™ is made of cast aluminum, but has a steel nut cast into the back side to receive the screw and prevent stripping of the threads. A slot is cast into the end of the handle that lets you store extra blades. Uses all standard utility knife blades including our ULB582 and DD1086. Blades not included. PipeKnife™ available in two sizes with or without Neoprene covers.

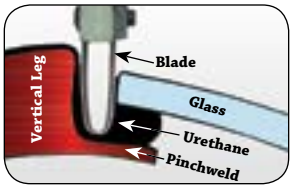
GC1144 • 14" Long
NN1335 • 18" Long
SI1412 • 14" Long With Neoprene Cover
SK1414 • 18" Long With Neoprene Cover
GD1145 • Extra Blade Clamp and Screw

GD1145
Fits GC1144, SI1412, NN1335, SK1414

Shown With Pull Handle

Small groove

Large groove



U-Groove Cut-Out Knife

The U-Groove Cut-Out Knife allows you to remove urethane from the pinchweld without damaging the vertical leg. This tool also removes old urethane from encapsulations. Available with or without a pull handle. Comes with two blades, one small to cut narrow grooves and one large for wide grooves.

UCH319 • With Pull Handle
UCC320 • Without Pull Handle
UCS321 • Small Groove Blade
UCL322 • Large Groove Blade

UltraWiz® Urethane Cutting Knives

Many vehicles do not have a large opening between the windshield and the dash; for this reason UltraWiz® Urethane Cutting Knives measure only 3/16" thick. They are made of steel, not aluminum, to give the knives tremendous strength. Includes one standard utility knife blade. Made in the USA.

PN4008L • 8" Long
PN4013 • 14" Long
PN4018 • 18" Long
PN4024 • 24" Long

Internal View of Quick Release Long Knife

UltraWiz® Quick Release Long Knives

The UltraWiz® Quick Release Long Knives allow you to change blades without tools; no more worn out screws or bent caps! Just a smooth maneuver of rolling your thumb back over the safety catch while pushing down on the release lever allows for a quick release of the blade. Techs say they are more inclined to flip a used blade to the sharp side for extended use because it can be done so easily. The 8" long knife is perfect for removing excess urethane from the pinchweld because its short length allows for added control of the cutting blade. The 13" long knife works well in those tight interior areas with hard to reach adhesive, while the 18" and 24" are your best bet to extend your cutting reach below the dashboard. Blade not included. Made in the USA.

4408Q • 8" Long
4413Q • 13" Long
4418Q • 18" Long
4424Q • 24" Long

Roll thumb over safety catch, and push down on release lever. Insert or remove blades.

Wood Handle Long Knives

The 1-1/4" diameter handles make these knives easy to grip and give you a tremendous amount of leverage. The blade shaft is rounded on the sides so it will not scrape into the dash. These urethane cutting knives use standard utility knife blades including our Extra Long Utility Knife Blades (ULB582 and DD1086). Hand crafted of high-quality aluminum and select hardwood. Blade not included.

HI1176 • 9" Long
HH1175 • 18" Long
HG1174 • 24" Long
GH1149 • Set of 3 (One of Each Size)

MEH234 • Express® Blade Handle

Invented by: George Lytton

Now you can use any Equalizer® Express® Blade as a long knife just by sliding it into one of our Express® Blade Handles. The handle is made of aluminum and is a full 8-1/2" long (perfect for two handed operation). The blade can be set into the handle at any depth from 3/4" up to 3-3/4" just by tightening the steel screw into the blade when you have set the blade at the desired depth. Blade not included. Made in the USA.

Extra blade stores under blade holder.

Urethane Cutting Knives

With 3/4" wide comfort grip handle

Our Urethane Cutting Knives have a Phillips screw so you can secure the blade tightly without stripping the screw. It screws into the blade holder so the holder can be replaced if the threads ever strip out. The knives come with our unique "hide-a-blade" design that allows you to store an extra blade in the handle. The QS315 is 12" long and useful in restricted areas where a shorter knife is easier to use. The QS358 is 18" long and is the length of most urethane cutting knives. The QS359 was designed for extra-long dashes. Measuring a full 24" long, it can reach the deep corners of the windshield with ease. Made of high-quality, lightweight aluminum with a steel retaining block for the blade. Uses all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Comes with one standard utility knife blade.

QS315 • 12" Long
QS358 • 18" Long
QS359 • 24" Long
RB361 • Extra Blade Clamp and Screw

RB361 blade clamp and screw.

Pivot Tip Urethane Cutting Knife

With 3/4" wide comfort grip handle

Some windshields have a very radical curve and this can cause the handle of a regular long knife to scrape against the dash. The Pivot Tip Urethane Cutting Knife has a front section that will pivot up to 20 degrees in either direction, allowing the section that could scrape the dash to pivot forward so it will clear the dash. Made of high-quality aluminum and designed so the blade retaining screw goes into the steel blade holder. If the threads on the screw ever strip you can just replace the blade holder and not the complete knife.

PHK394 • 14" Long
PHL395 • 18" Long

Holy Steel™ Urethane Cutting Knives

Most people use aluminum urethane cutting knives because they weigh a lot less than the steel knives. Now you can have the advantage of steel, but very close to the weight of aluminum. We accomplished this by removing round sections of metal without weakening the structural integrity of the steel. Featuring a Pocket Grip handle, that has a semi-ridged internal cushion with a slip-resistant external finish. This feature increases the width of the handle in the end grip area from 1/4" wide to slightly more than 3/4" wide and gives you a much better gripping area. Each knife has an secondary grip (excluding LHP463) that allows you to comfortably hold the handle so you can exert the necessary pressure on the blade.

LHP463 • 9" Long
LHN462 • 14" Long
LHM461 • 18" Long
LHK460 • 24" Long

Urethane Cutting Knives

With comfort grip

These Urethane Cutting Knives are constructed from high-strength anodized aluminum and also incorporate a stainless steel nut and screw to reduce stripped threads, improving the longevity of the knives. The blade holder is a unique design that has a built in pin to hold the U-notches of the utility knife blade. There is no roll pin to work loose. If the pin ever wears out, just replace the blade holder and you have a new pin. They use standard utility knife blades including our Extra Long Utility Knife Blades (ULB582 and DD1086). Each knife comes with one standard utility knife blade.

LFO1483 • 9" Long
LFN1482 • 14" Long
LFM1481 • 18" Long
LFL1480 • 24" Long
LFG1484 • Set of 4 (One of Each Size)

ULB582 • Equalizer® Extra-Long Utility Knife Blades

You know the problem; you like to use a long knife but the blade never sticks out of the tool far enough to cut through the thick urethane. Standard utility knife blades measure only 2-3/8" long. The maximum cutting area you can get is approximately 1". Equalizer® Extra-Long Utility Knife Blades measure 3-3/4" long and give you an exposed cutting area of at least 2-1/4". They are designed so there is more length between the two notches. For this reason, these blades will fit most standard utility knives as well as all long knives that use the standard utility knife blade.

Package of 10

DD1086 • Equalizer® Extra-Long Serrated Utility Knife Blades

Some technicians release the sides and top of a windshield and then use a sawing motion to cut the entire width of the urethane across the bottom at one time. Our Serrated Utility Knife Blade is perfect if this is the way you cut the urethane. The reciprocating action causes the blade to cut like a saw and makes cutting very fast. Standard utility knife blades measure only 2-3/8" long. The maximum cutting area you can get is approximately 1". Equalizer® Extra-Long Serrated Utility Knife Blades measure 3-3/4" long and give you an exposed cutting area of at least 2-1/4". They are designed so there is more length between the two notches. These blades will fit most standard utility knives as well as all long knives that use the standard utility knife blade.

Package of 10

Extended Blades

These blades are made of carbon steel and have been engineered to provide the Auto Glass Technician with a long, thin, flexible blade that will cut through any urethane. The screw that holds the side plate onto the tool goes through the hole in the blade and the notch fits on. The RKB472 is serrated for those of you who use an up-and-down motion to cut urethane. These blades will fit in our QS315, QS358, QS359, HG1174, HH1175 and HI1176. Long knife not included. Made in the USA.

RKB471 • Standard
RKB472 • Serrated

UKB498 • Equalizer® Utility Knife Blades

Our blades are .025" thick giving them extra stength. The blades are sealed in a dispenser containing 100 blades. Slide blades out one at a time from the bottom slot, then safely dispose of the blades by sliding them into the top of the container when they are worn out. Equalizer® Utility Knife Blades will fit all standard utility knives.

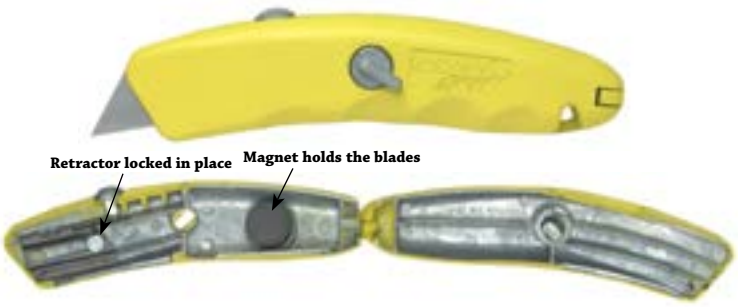
Package of 100

Folds to compact size

Push the lever and release the blade.

FCS293 • Equalizer® Quickchange™

This tool looks, acts, feels, and even folds up like a real pocketknife, but it uses a standard utility knife blade. Now you will never be without a razor-sharp knife. It is perfect for cutting mouldings, or shaping pieces and parts that do not fit. A technician will find a thousand uses for this compact knife. It is made of high-quality stainless steel with aluminum handles. It has a belt clip so you can have it instantly accessible, or attach the pouch to your belt and keep it inside. The pouch also stores extra blades. Equalizer® Quickchange™ is compact and folds to only 3-1/2" long.



MU1296 • Retractable Banana™ Utility Knife

Quick-Change Retractable Blade

The Retractable Banana™ Utility Knife is a heavy-duty knife made of die-cast zinc and has an ergonomic design so it fits comfortably in your hand. Rotate the side lock 1/4 turn and this knife swings open so you can quickly replace the blade. Extra blades are held inside by a magnet so they do not fall out. Made in the USA.

SPE242 • Spring-Loaded Latch Release Utility Knife

When you pull back on the black latch the entire side of the knife can be lifted up so you can quickly change the blade or turn it around and use the sharp end of the blade. It uses all standard utility knife blades.

GNK571 • Squeeze™ Knife

Squeeze the handle and a blade will automatically spring out and lock into position for use. Push in on the black thumb latch, and the blade will automatically retract safely back into the knife. When you remove a blade, then squeeze the handle, a new blade will spring out. For blade changing, press the yellow button, pull the blade out and discard it; if not spent, turn it around, put it back in and use the other end. Not ready to use the other end yet? Just put it in the side magazine with the dull end facing backwards. Next time you use the knife, squeeze the handle and the sharp end will spring out. Squeeze™ Knife has an ergonomic handle with a thumb-groove for greater control and comfort. The side magazine holds up to eight blades. New or used blades can be quickly loaded into the magazine by opening the door, dropping the blades in, then snapping the door back into place. Comes with 5 blades.

USK663 • Swivel Open Utility Knife

Push the release button and this handy utility knife swivels open to let you quickly change the blade. The thumb release lets you set the blade to three different depth settings. Made of cast aluminum and curved to give you a comfortable non-slip grip. Comes with three blades stored inside the handle Uses standard utility knife blades.

OH1 • Olfa® Super Heavy-Duty Knife

Retractable Breakaway Point

This knife has a blade that measures a full 1" wide, .028" thick and can be extended a full 4 inches out of the blade housing. This is truly a super heavy-duty knife. It has a thumb locking screw so you can lock the blade in any position. The comfortable rubber grip on the back side is easy to hold and will not slip out of your hand. Comes with one HB5 steel breakaway blade.

OLF20 • Olfa® Heavy-Duty Knife

Retractable Breakaway Point

This knife is made of high impact plastic, has a stainless steel blade housing, and a positive locking thumb screw so you can set the blade at any length. The back of the knife features a rubber grip that lets the knife rest comfortably in your hand and keeps it from slipping. Comes with two SB727 blades.

PLC809 • Olfa® Pro Load Cutter

This revolutionary multi-blade heavy-duty knife easily meets the need for continuous blade change with its automatic blade load feature. Includes auto-lock blade slide, a ratchet blade lock at the tip for extra support while cutting through difficult materials, and a blade storage lock for safety. The high-impact ABS handle can hold up to 6 (18mm) snap-off blades. Made with a stainless steel blade channel for durability. Includes 3 LB21 blades.

SVE802 • Olfa® Silver Knife

Retractable Breakaway Point

This is a smaller version of the breakaway blade knife. It is designed to be carried in your shirt pocket and has a pocket clip built into the end of the knife. The pocket clip is easily removed and doubles as a device to snap the used ends off of the blade. Ray carried one of these in his shirt pocket for 15 years when he was a technician. They are the greatest tool ever made for cutting urethane stringers, shaping urethane, trimming mouldings or opening cardboard boxes. The blade housing is made of stainless steel and will give you years of carefree service. Comes with one SVB803 stainless steel breakaway blade.

SOF810 • Olfa® 30° Auto-Lock Utility Knife

This knife features an ultra-slim design and an acute 30 degree angle blade for pinpoint accuracy. Features an auto-lock for secure blade positioning and pocket clip that doubles as a blade snapper for convenience. Just snap off the old, dull blade and you have a new sharp edge instantly. No tools required! Made of high-quality stainless steel. Comes with one SOB824 stainless steel breakaway blade.

Blades For Olfa® Knives

LB21 • Heavy-Duty Breakaway Blades

SB727 • Heavy-Duty Solid Blades

SVB803 • Blades For SVE802

SOB824 • Blades For SOF810

LB21 • Breakaway Point • Package of 10
SB727 • Solid Blade • Package of 10
SVB803 • Breakaway Point Blades For SVE802 • Package of 10
HB5 • Breakaway Point Blades For OH1 • Package of 5
SOB824 • Breakaway Point Blades For SOF810 • Package of 10

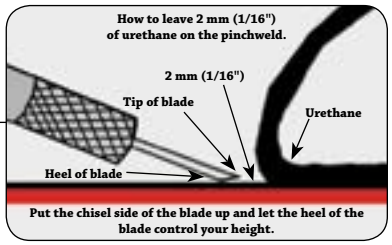
HB5 • Blades For OH1

SuperScraper™

Invented by: Steven Grover

This is one of the most successful tools ever introduced by Equalizer. The SuperScraper™ has a lightweight aluminum shaft with a quick-change collet that lets you change the blade in seconds. It has an innovative, heavy-duty, flip-top plastic handle that stores extra 1/2" blades (wider blades will not fit in the handle). It is 10" long and comes with five 1/2" wide blades (stored in the handle). Kit comes with a SuperScraper™ (with five 1/2" wide blades loaded in the handle), package of 5 - 1/2" wide blades, package of 10 - 5/8" wide blades and package of 10 - 3/4" wide blades.

SC300 • Tool Only
SK345 • Kit


How to leave 2 mm (1/16") of urethane on the pinchweld.
2 mm (1/16")
Tip of blade
Urethane
Heel of blade
Put the chisel side of the blade up and let the heel of the blade control your height.

PrepMaster™ Tool

This is a short version of our SuperScraper™ tool. As a technician, you will appreciate the thin, surgically sharp blades and the ability to change a blade in seconds with the quick change collet. It can be used with the 1/2", 5/8", 3/4" wide straight blades, and the 5/8" wide angled blade. All of the blades are made of surgically sharp steel that slices through urethane with ease. Comes with one 1/2" blade. Kit comes with one PrepMaster™, 5 of each size blades SC301 (1/2" wide), NY1246 (5/8" wide), NZ1347 (3/4" wide), and TQ1438 (5/8" wide) angled blades. It also includes a SPE242 Utility Knife with a quick-change feature, and a package of 5 utility knife blades.

PMO299 • Tool Only
SKE291 • Kit

1/2" Wide SC301 & ST456 | 5/8" Wide NY1246 & NT467 | 3/4" Wide NZ1347 & MZT468 | 5/8" Wide TQ1438 & TQT469

SuperScraper™ & PrepMaster™ Replacement Blades

SuperScraper™ and PrepMaster™ Blades come in three widths: 1/2", 5/8", and 3/4" wide. They are made of surgically sharp stainless steel.

SC301 • 1/2" • Package of 5
ST456 • 1/2" • Package of 10
NY1246 • 5/8" • Package of 5
NT467 • 5/8" • Package of 10
NZ1347 • 3/4" • Package of 5
MZT468 • 3/4" • Package of 10
TQ1438 • 5/8" Angled • Package of 5
TQT469 • 5/8" Angled • Package of 10

Pinchweld Preparation Tool

Used to remove urethane and butyl from the pinchweld, our pinchweld preparation tools have a hardened steel blade that can be sharpened dozens of times. The shanks are long enough to keep your hands away from pieces of broken glass.

SFE892 • 4” Long • 1/2” Blade
NPS893 • 6-1/2” Long • 1/2” Blade
WP738 • 4" Long • 3/4” Blade
WPL833 • 6-1/2" Long • 3/4” Blade
IHW716 • 7” Long • 1-1/2” Blade

Pinchweld Preparation Tools with Neoprene Covers

These tools are made of spring steel and are hard enough to hold an edge. The handle is made of aluminum and covered with soft Neoprene. They come in three distinct colors so you can glance into your toolbox and instantly know what size pinchweld preparation tool to pick up. Red is 3/4" wide, green is 5/8" wide, and yellow is 1/2" wide. Made in the USA.

LTS595 • 3/4" Wide With Red Handle
LI1259 • 5/8" Wide With Green Handle
LH1258 • 1/2" Wide With Yellow Handle
LE1254 • Set of 3 (One of Each Size)

Pinchweld Preparation Tools

The SB531 and SBS5312 are the same as the Pinchweld Preparation Tools shown above, but without the Neoprene cover. Made in the USA.

SB531 • 3/4" Wide
SBS5312 • 1/2" Wide

Pinchweld Preparation Tool Blades

Replacement blades for all of the Pinchweld Preparation Tools shown above. Do you have an old cold knife laying around with a pull handle that is no longer good? If so, just put one of these blades in the handle and you have a great pinchweld preparation tool. Made in the USA.

EQS785 • 3/4" Wide
LL1262 • 5/8" Wide
LM1263 • 1/2" Wide

Putty Knives/Pinchweld Preparation Tools

Many technicians still use a sharpened putty knife as a pinchweld prep tool. Because of this we offer these stiff blade putty knives. The blade of these putty knives are .050" thick which is a little thinner than a normal pinchweld scraper, but because they are made of high carbon steel they will not flex too much and will maintain a sharp edge. They are individually ground, polished to a mirror finish and clear coated to make them rust resistant. The nylon interlocking handles resist solvents and are virtually indestructible.

3/4" Wide
1-1/4" Wide
1-1/2" Wide

FR4201 • 3/4"
FR4202 • 1-1/4"
FR4203 • 1-1/2"

SC170 • Wide Pinchweld Preparation Tool

This durable tool will give you years of service. A razor blade is too wide to use across the top or on most A-pillars, but it is ideal to use across the bottom. The nice thing about this tool is that you can pull out the old blade, put a new one in and you are ready to go again, no sharpening needed. Comes with a safety cover that keeps the blade sharp and prevents the technicians from cutting themselves when this tool is in the toolbox. Includes one blade.

MS496 • Equalizer® Mini-Scrapers

A safer approach to carrying razor blades in your toolbox or your pocket. It features an easy and safe blade change method and comes with one single-edge razor blade. In the carrying position, the razor blade faces into the scraper. When you want to use the razor blade press the release latch, turn the razor blade around and it is ready for use.

Package of 6

RB497 • Equalizer® Razor Blades

The most commonly used item in an auto glass shop is the razor blade. We use them to remove everything from stickers to excess urethane. Equalizer® Razor Blades are tough, strong, industrial razor blades with a sturdy metal back that gives the blade strength. Packaged in a sleeve of 100, each blade is securely wrapped in a thin, brown piece of cardboard to protect the edge.

Package of 100

JPB391 • Plastic Razor Blades

These blades won't damage plastic coated windows, paint or other surfaces that can be scratched or marred by metal razor blades. They can be used in many applications and also fit into our handy mini scrapers (MS496) that help you keep a good grip on the blade during use.

Package of 100

The Razorback™ Pinchweld Cleaning System

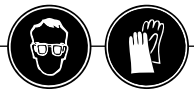
The Razorback™'s blades are ground with a slight back angle that keeps you from scratching the bottom or sides of the pinchweld. This allows you to leave a small amount of urethane on the pinchweld, as recommended by automotive manufacturers. The corners are rounded so they will not scratch the bottom corner of the pinchweld. On some vehicles the headliner lays against the windshield just below the pinchweld. Often the headliner overlaps onto the pinchweld and is stuck in place with urethane. By using the proper width blade, Razorback™ can trim up against the headliner and leave the old urethane attached to it. Razorback™ comes as a kit with pinchweld cleaners in the following widths: 1-1/4", 1", 3/4", 1/2". Also included is one below-the-fender pinchweld cleaner and one round file. With the round file you can keep the blades sharp even into the rounded corners. All the pinchweld cleaners and file fit neatly into a canvas pouch that folds over at the top of the tools and seals tightly closed with a Velcro® latch.

BT634 • Complete Kit
BT635 • Below Fender
BT636 • 1/2" Blade
BT637 • 3/4" Blade
BT638 • 1" Blade
BT639 • 1-1/4" Blade

MCP257 • Metal Cleaning PrepSticks

Phosphoric acid is commonly used in body shops as a pre-primer treatment for rust and corrosion. Once the rust or corrosion is removed down to the shiny metal, the acid is applied to neutralize left over small particles, and to etch the metal for better primer adhesion. We now have the safe and simple, no mess solution to applying phosphoric acid! PrepStick is a phosphoric acid filled tube applicator with a dauber on one end. When you are ready to apply the acid, release the seal by squeezing the raised portion of the tube, then squeeze the tube in the area where the acid is located to soak the dauber. Use the dauber to apply the acid so that it never touches anything but the pinchweld. Allow the acid 2 to 3 minutes to react with the metal, then clean it off with a moist lint-free towel (DL1093 pg. 153). Allow it to dry and proceed with the remaining steps in your established corrosive prevention program. Each PrepStick contains more than enough phosphoric acid to treat a windshield. Shelf life is limitless because the acid is sealed in individual tubes.

Package of 12



RPS601 • Paint & Rust Stripper

When you encounter rust on any vehicle you really have only two choices. You can stop and ask the owner to take the vehicle to a body shop or you can attempt a repair yourself. It is, of course, a great way to make extra money because most owners when confronted with such visual evidence will just tell you to repair it. If you decide to repair pinchwelds be sure to comply with all regulations required by your adhesive manufacturer for a proper repair. This Paint & Rust Stripper is very aggressive and is intended for use when the rust is more than just superficial. It is 4" in diameter, 1/2" wide and comes with a built-in 1/4" mandrel. Perfect for cordless drills because it is built to be used at speeds under 3,500 RPM.

JWW608 • Mounted Rust Removal Brush

This brass coated, stainless steel brush measures 4" in diameter and can be attached to your drill/driver or any drill that runs less than 4,500 RPM. The width is approximately 1/2" allowing it to fit down into the pinchweld without damaging the mouldings or the paint on the outside of the pinchweld.

70603 • Crimped 3" Wire Wheel Brush -- Coarse

This brush is more coarse, thinner and has a smaller diameter than the one listed above. It is more aggressive for difficult removal of rust. It has a 1/4" mandrel and can be mounted to any drill for fast effective rust or debris removal. A narrow width allows it to fit easily down into the pinchweld without damaging the mouldings or paint.

Pinchweld Cleaning Brushes

To prevent contamination of the urethane before you strip it down to 2 mm (1/16"), you must clean the area between the pinchweld and the urethane so dust and dirt will not fall onto, and contaminate, the freshly trimmed urethane. Our brushes are made of horsehair so they have the stiffness needed to brush away the grime, but are soft enough to keep from damaging the paint or pinchweld. Brushes are made with a thin, metal handle that is 6" long and 5/16" in diameter.

TO1437 • Package of 10
ABC421 • Package of 100

PBS598 • Rust Removal Brush

These brushes are are only 8" long with a wooden handle that is 7/16" square. The stainless steel brushes are arranged in 3 rows and measure 1-3/8" long and 3/8" wide.

JEB569 • Pinchweld Cleaner

Today's paint jobs are many layers thick and very delicate. The last thing you want to do is scratch the paint or damage its surface. Whisk brooms have stiff bristles that will scratch most of today's paints and for this reason you should never use a whisk broom to sweep the pinchweld clean. What we see many technicians doing today is using a paint brush to clean the pinchweld. We have selected this paint brush because it has soft bristles yet enough stiffness to sweep the dust and dirt out of the pinchweld. In an emergency you could use it to paint your house!

HCA223 • O2 Hurricane Canless Air System

For those times when you need to remove dust/debris from the pinchweld or clear moisture from the glass. Compact, light and completely portable - running off of a 12V NiMH battery. Packs an amazing air speed of 200+ miles per hour to get the job done. Use the included straws for areas where you need to concentrate the air flow or get into tight spaces. Continuous run time of 15+ minutes on one charge. Unit can be charged approximately 500 times. Measures only 7-3/4" tall and weighs around 1 lb. Includes Air System, 2-5" Straws, and 110V Wall Charger.

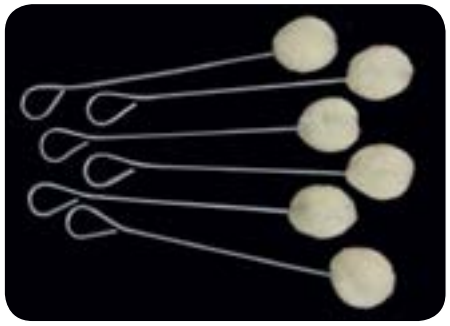
NPD221 • Equalizer® BLOWHARD™

Idea by: Joseph Demers

To have a successful installation you must start with a dry vehicle. No matter if it is snow in the winter or a rain shower in the summer you can dry that vehicle quickly with our Equalizer® BLOWHARD™. It has a 1.3 horsepower, 120-Volt, 8 amp motor that produces an incredible 18,000 ft./min airflow. The exiting air is warmed by passing over the fast moving motor so there are no heating elements to burn out. The air gets warm, but never hot enough for you to worry about scorching the paint. It's small and compact so it doesn't take up a lot of space in your mobile van and is designed to run on an inverter (See Inverter Usage Chart On Page 43) so you can power it anywhere. It comes with one high-pressure nozzle for getting down into difficult areas and one wide angle nozzle for drying larger areas.

ME1281 • Frit Paint Marker

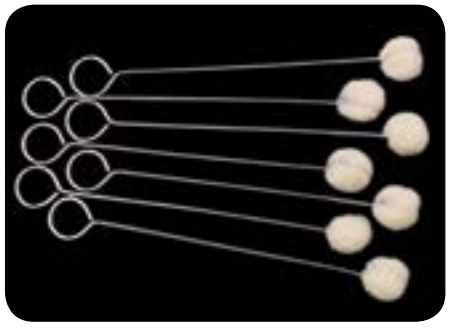
The frit around the edge of a glass can sometimes have a small scratch that makes the glass unusable. If the scratch is not in an area where the adhesive is applied, then it can be repaired with our Frit Paint Marker. Apply the paint to the inside of the glass where the scratch is located and allow several minutes for it to dry. The paint is oil-based and will not come off when the glass is cleaned.



Premium Quality Wool Daubers

In recent years, Auto Glass Technicians have become more aware of contamination problems. One area of contamination is the pinchweld itself. Each time you put primer on the pinchweld and then dip the dauber back into the primer you have contaminated the whole bottle. Technicians today use a new dauber, dip it in the primer and prime as far as it will go, then discard the dauber and use a new one. For this reason, we offer our Premium Quality Wool Daubers at an economical price. Made of a thick wool tuft that is held tightly in the center with a strong wire and measuring 3/4” in diameter.

JY1225 • Package of 100
JZ1226 • Package of 1000



Wool Daubers 1/2" Diameter

Many vehicles have very small pinchwelds and conventional daubers are too large. A large dauber may cause primer to spread onto the headliner or worse, drip onto the seat. This is the reason why we offer these small daubers, measuring only 1/2" in diameter. Made of a thick wool tuft that is held tightly in the center with a strong wire that extends back 4-1/4" and forms a circular grip for easy gripping.

SDT883 • Package of 100
SDO884 • Package of 1000

DM1094 • Cotton Tipped Applicators

Six inches long so you can reach into any bottle

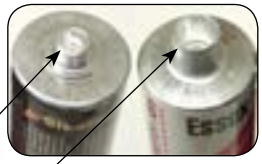
Contamination is a real problem in this industry. It is amazing how many ways we have identified how we contaminate urethane or primers. How many times have you put a dauber in a bottle, put some primer on a pinchweld, and then put the dauber back in the bottle? Now, the whole bottle is contaminated. Prevent contamination with our Cotton Tipped Applicators. They are small so you will not drip primer on the upholstery and they are so inexpensive that after you use one just throw it away and get a new one.

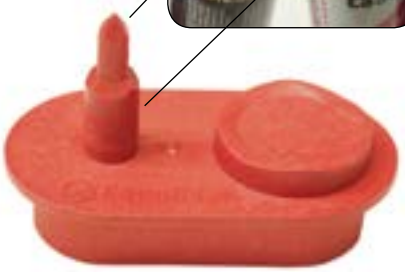
Package of 100

UTH577 • Urethane Tube Holder

The problem with carrying urethane in an opened box is that the box will tip over and spill urethane tubes all over the vehicle. With our Urethane Tube Holder, you just open a new case of urethane, drop the tubes in the holder and you always have a visual inventory of how much urethane you have with you. Made of rigid steel, this is a tough holder that will last for years. It is made to hold ten standard size tubes of urethane. Made in the USA.

Improved design works with wide and regular nozzle openings.





You can mount it almost anywhere!

Urethane not included.

UTO539 • Urethane Tube Opener

Ever try to open a new tube of urethane while in the middle of a job? It can be frustrating. Finding something to puncture the front seal is always a hassle, and knocking out the rear seal can also be a chore. Equalizer has solved these problems with the Urethane Tube Opener. Press the rear of the tube over the serrated circle to remove the rear seal. Then turn the tube over and press the front seal into the pointed stem and your tube of urethane is ready to use. Made of urethane-resistant material, just peel old urethane off and it is ready to be used again.

CS1075 • Heavy-Duty Nozzle Cutter

Here is a nozzle cutter made to last a lifetime. Place the nozzle under the blade to the desired depth, squeeze the handles together and the nozzle is cut. The handles can be locked shut with the swivel lock. This protects the blade from damage. Made with a super-sharp, hardened steel blade.

Nozzle Cutter

Here is a quick, safe and easy way to cut the end off of the nozzle of a urethane tube. Put the nozzle in the cutter to the desired depth, squeeze the blade into the tool and the nozzle is cut. The other end of the nozzle cutter uses the V-shaped blade to remove the front end seal from tubes.

NCT308

BFC81 • Package of 5 Blades

VNT306 • Top Notch™

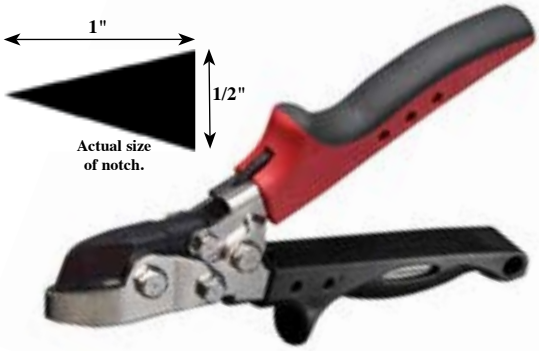
Invented by: Glenn Barrett

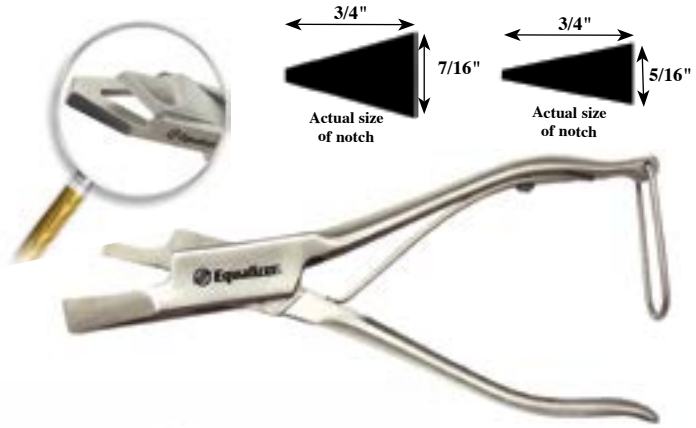
Cutting the proper V-notch on a urethane nozzle can be difficult and dangerous. The Equalizer® Top Notch™ tool takes all the guess work, and danger, out of V-notching the nozzle. This high-quality tool will last for years. It features a chrome metal body, tempered steel jaws, spring-loaded handle with non-slip plastic grips, and a thumb-controlled jaw locking device. To use this tool, take a nozzle cutter and cut the end of the nozzle tip to give yourself a 1/4" or larger bead. Next, insert the Top Notch™ tool inside the nozzle until it stops. Squeeze the handle and you have a perfect V-notch.

NTL348 • Up-A-Notch™

Invented by: Glenn Barrett

Up-A-Notch™ cuts a notch that is 1/4" longer and 1/16" wider at the base. It is the same high-quality tool as the Top Notch™ and will last for years. It features a chrome metal body, tempered steel jaws, spring-loaded handle with non-slip plastic grips, and a thumb-controlled jaw locking device. To use this tool, take a nozzle cutter and cut the end of the nozzle tip to give yourself a 1/4" or larger bead. Next, insert Up-A-Notch™ inside the nozzle until it stops. Squeeze the handle and you have a perfect notch. Made in the USA.





V-Notch™

This V-notch cutter cuts a notch that comes to a tip of 1/16" wide and is available in two models; 7/16" base cut and 5/16" base cut. We developed the narrower version because many foreign vehicles as well as some quarter glasses have a pinchweld that is very narrow. On these vehicles, it is important to have the base of the V-notch be small enough that it will not hang over the edge of the pinchweld. The V-Notch™ is made of stainless steel and has a loop lock to hold it closed so it will not be damaged in your toolbox.

VNL277 • 7/16" Base Cut
VNS276 • 5/16" Base Cut

TECH TIP: Nozzle Cutting
To ensure you have the proper bead height, make sure that the top of the the v-cut on the nozzle is even with the roofline of the vehicle.

Auto Glass University
POWERED BY Equalizer®

Warning: This heater warms urethane fast.
Urethane stored for extended periods of time
while unit is on may overheat the urethane.
Not for activation of hot applied urethanes.

Cord & Fuse Compartment

HWM618 • Little Black Box

Idea by: Walter Ray Mills

One of the most common complaints you hear about urethane heaters is their size. Most of them are too big for mobile vehicles where space is limited, but the 12-Volt Little Black Box measures only 10" L X 7" W X 8" H. It holds 4 tubes of urethane and has a carrying handle that folds into the top. Plug it into a power point and in just a few minutes your urethane will be warm enough to dispense with ease. Heats to 300°F. Does not have a variable temperature dial or automatic shut-off. Made with a durable plastic housing with aluminum lining.

MHP139 • Equalizer® Hot Pocket

Urethane or Moulding Heater

Inside View

The trick to keeping all urethane easy to dispense is to keep them warm. The Equalizer® Hot Pocket can hold 18+, 20oz. sausage pack urethane tubes and keeps them at a very toasty 105°F. It plugs into the power point and uses the electricity of your vehicle to produce the heat. The insulated flaps and Velcro® sealed top ensure that the contents stay warm. The Hot Pocket draws only 2.8 amps of 12-Volt electricity and has a self protecting design that will not let it draw more than 5 amps. Made of Ballistic nylon.

Caulking Gun Light

Invented By: Mark Smith

The Equalizer® Caulking Gun Light uses 9 bright LED bulbs to light up your work area. It has an on/off button and has enough battery life to run for over 48 hours continuously. However, if you should forget to turn it off, it will automatically shut off after 15 minutes. Made of strong webbing with a small elastic insert so it will stretch and hold in place with a Velcro® closure strip. Includes 2 batteries.

CGL557

LSB644 • Batteries

KEU451M18 • SqueezePLUG™ II

For M18 Milwaukee Caulking Guns

Many times 1/12 of the urethane is left in a sausage pack after use, so when you use 12 tubes it adds up as if you are discarding one full tube of urethane. Use the SqueezePLUG™ in a sausage pack caulking gun to push the last remaining urethane out of the sausage pack. Designed for the new M18 Milawukee line of caulking guns.

How much urethane are you wasting?
With SqueezePLUG™ you'll use every last bit.

KEU451 • Original SqueezePLUG™

For 14.4-Volt Milwaukee Caulking Guns

Old style version that works with the discontinued 14.4-Volt Milwuakee caulking guns.

AKG26 • 26 to 1 Mechanical Advantage Caulking Gun

High-viscosity urethanes have become a standard in our industry, and this caulking gun has proven that it can pump high-viscosity urethane even on a cold day. The AKG26 features a patented device which compensates for wear on the push rod. After the gun has been used hundreds of times it will still work as well as the day it was purchased.

Patent No. 7,959,039

GC905 • Powerful 18 to 1 Caulking Gun

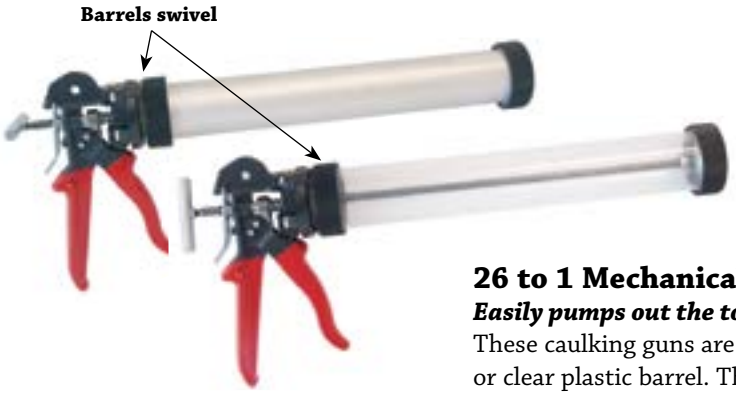
If you are looking for an improvement over the standard 14 to 1 caulking gun, but do not feel you need the power of a 26 to 1 caulking gun, then this is the perfect product for you. It is designed to be used with high-viscosity urethanes, and you will find it useful on those cold winter days when the urethane becomes colder and harder to pump.

CC50 • 26 to 1 X-tra Super Thrust Caulking Gun

When you use high-viscosity urethane, you need a caulking gun that makes dispensing the urethane easier. Here is what a 26 to 1 caulking gun does: if you squeeze the handle with 1 pound of pressure it puts 26 pounds of force on the urethane. With that kind of power you can easily dispense high-viscosity urethane even in cold weather. It has a revolving welded steel barrel, zinc alloy handle, and a thumb release.

CKC51 • 18 to 1 Thrust Ratio Caulking Gun

If you walk into a hardware store and buy a caulking gun off the shelf you are probably buying a 3 to 1 thrust ratio caulking gun. If you buy the super heavy-duty caulking gun, it might be a 10 to 1 and that will not pump high-viscosity urethane. Our 18 to 1 Thrust Ratio Caulking Gun offers a trade-off between these underpowered models and the super power of a 26 to 1 caulking gun. It has a revolving welded steel barrel, zinc alloy handle, and a thumb release.



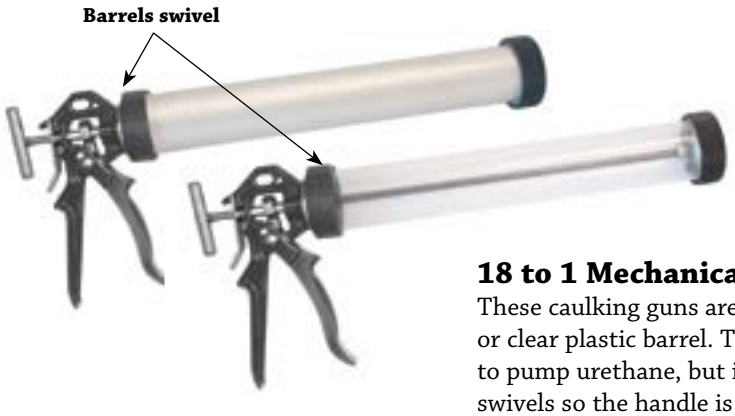
Each caulking gun comes with three tips and a bulk sausage pack ejector to push out all the urethane.

26 to 1 Mechanical Advantage Caulking Gun

Easily pumps out the toughest high-viscosity urethane

These caulking guns are lightweight and can be ordered with either an aluminum or clear plastic barrel. The high-thrust ratio allows you to pump the most stubborn urethane. The entire barrel swivels so the handle is always pointed at you. The high-thrust rods are heat-treated and last longer than other comparable caulking guns.

TSA641 • Aluminum
TSC642 • Clear Plastic



Each caulking gun comes with three tips and a bulk sausage pack ejector to push out all the urethane.

18 to 1 Mechanical Advantage Caulking Gun

These caulking guns are lightweight and can be ordered with either an aluminum or clear plastic barrel. Their lower mechanical advantage makes it slightly harder to pump urethane, but it takes less pumps to apply the urethane. The entire barrel swivels so the handle is always pointed at you. The thrust rods are heat-treated and last longer than other comparable caulking guns.

BMA620 • Aluminum
CPB621 • Clear Plastic

XSP3011 • 26 to 1 Thrust Ratio Caulking Gun

This high-powered caulking gun is made of welded steel and comes with a built-in nozzle cutter. It also has a built-in seal punch that can be swiveled under the barrel and brought out when you need it.

ESM911 • Equalizer® Vacuum Cups

Each vacuum cup swivels up and down approximately 30° to fit radically contoured glass. Made of super strong, fiber-reinforced plastic with rubber gripping cups. Simply set the vacuum cups in place, seat them firmly against the glass, and push the thumb latches down to engage the vacuum. You can then comfortably and safely lift any piece of auto glass. Designed for automotive use, we do not recommend these for plate glass. Do not lift in excess of 75 pounds.

Two Vacuum Cups

RTD499 • Ratcheting Tie-Downs

These have many uses, but they are most commonly used to hold vertical-glazed quarter glasses or back glasses in place while the urethane cures.

Package of 2

SSC209 • Equalizer® Super Size Vacuum Cups

These vacuum cups are similar to our ESM911 Vacuum Cups, but they are 40% larger and therefore will hold 40% better. Size is not the only advantage; they have a durometer (measurement of hardness) rating that is softer than other vacuum cups of this type. This softer durometer allows the vacuum cups to contour better and flatten tighter against the glass. Designed for automotive use, we do not recommend these be used for plate glass. Do not lift in excess of 100 pounds.

Two Vacuum Cups

Wood's Powr-Grip Vacuum Cup

These are among the most respected vacuum cups in the world. In our travels we have seen many technicians using these vacuum cups to set automotive glass. Wood's Powr-Grip Vacuum Cups have a pump built into the end that pulls out the air and seals the cup onto the glass. Pump the brass plunger until the red line is hidden and the cup is secure. If the cup loses vacuum the red line appears and serves as a warning that vacuum is being lost. Do not lift in excess of 70 pounds with this cup. Replacement parts are available for purchase. Made in the USA.

VHC913 • One Vacuum Cup

VCS914 • Two Vacuum Cups

GEZ543 • AEGIS® Glass Handlers™ Kit

Designed by Auto Glass Technicians

AEGIS® Glass Handlers™ Kit was specifically designed for installing windshields, back glasses, door glasses, and quarter glasses in vehicles. The unique handle design allows good hand positioning and the smooth, curved shape gives the user good control while handling large pieces of glass. Each cup is equipped with a spring-loaded vacuum pump. To use the pump, just push it in and out until the red line disappears. The red line is a safety feature and indicates you have a good vacuum. Should the red line become visible it means you have lost some of the vacuum and need to pump the vacuum again. Each kit comes complete with carrying case, two vacuum cups, a foam pad (to set your elbow on when setting windshields and some back glasses), instructional DVD, a bottle of glycerin to clean the vacuum cups, and users guide. Replacement parts are available for purchase. Made in the USA.

T-Cup Vacuum Cups

Ideal for installing windshields, side lites and back lites.

The ergonomically designed handle provides ease of handling and maximum load control. It attaches to curved or flat surfaces for maximum flexibility of use and you can put the T-Cups where you need them to lift and move awkward body panels easily. Use to set auto glass or body panels in place or hold auto body panels for grinding, sanding and buffing operations. High-quality, industrial strength construction for durability. Do not lift in excess of 70 lbs (32 kg) per cup. Replacement parts are available for purchase. Made in the USA.

TC198 • One Vacuum Cup
TC199 • Two Vacuum Cups

Equalizer® Visual Vacuum Plunger Cups

The most common thing you hear about vacuum cups amongst technicians is that they do not trust them. Well, you can trust these. The Equalizer® Visual Vacuum Plunger Cups are big: at 7" in diameter and each vacuum cup is rated at 90 pounds of lifting capacity. The handles are made of cast aluminum and are attached to the cup by high tensile strength bolts. All of that is great, but most important of all is the highly visible pump vacuum ring. As you pump the plunger to create the vacuum seal the red line disappears and, it warns you that it is losing pressure when it reappears. Unlike many vacuums these are made for curved glass - yes there is a difference between a flat glass vacuum and a curved glass vacuum. Replacement parts are available for purchase.

JVC192 • One Vacuum Cup
JVT193 • Two Vacuum Cups

Equalizer® Self-Pressure Vacuum Cups

Many technicians grew up using this type of vacuum cup, and most still prefer them today. The Equalizer® Self-Pressure Vacuum Cups are made of 100% rubber which provides a certain flexibility that does not exist in other vacuum cups. The cup is designed with anti-slip rings so it will not slip out of your hand. The diameter is 6-1/2"; each cup weighs just under 1 pound, and is rated at a lifting capacity of 45 pounds each.

JRC194 • One Vacuum Cup
JRT195 • Two Vacuum Cups

Equalizer® Squeeze Handle Vacuum Cups

Press one of these vacuum cups against the glass, squeeze the handle, and a lever pulls the center of the cup up and creates the vacuum. Each cup measures 4-7/8" in diameter and is rated at 35 pounds of lifting capacity. The handles are made of high tensile strength aluminum. Each kit comes with a friction fit protector to keep the rubber pads from being damaged.

JAC196 • One Vacuum Cup
JAT197 • Two Vacuum Cups

JCV303 • Lil Buddy QuickVac Vacuum Cups

QuickVac Vacuum Cups are soft, pliable, rubber cups that have a deep vacuum chamber allowing them to adjust to the curvature of glass. To use, just press the vacuum cup against the glass and lift the handle. This action creates the vacuum and you get an immediate visual indicator that the cup is engaged when the red line on the vacuum indicator disappears into the vacuum cup head. Then push the two locks outward and the handle is locked in the upright position for use. It only takes about a second making these by far the easiest cups to attach! Comes in a handy carrying case. Made in the USA.

Set of 2

AVL209 • Equalizer® Vacuum Cup Lubricant

Vacuum cups are an important part of the auto glass industry and keeping them soft, pliable, and in good working order is important. When a vacuum releases it can do more than break a glass, it can damage a vehicle to the point where you must pay hundreds of dollars to have it repaired. Keep those accidents from happening with our Equalizer® Vacuum Cup Lubricant. With regular use it will keep vacuum cups soft, pliable, and looking new for years.
1 Oz.

Sidekick™ Glass Setting Tool

The Sidekick™ Glass Setting Tool allows you to install a windshield on your own, with the Sidekick™ acting as the "other person" who catches and holds the glass. Best of all, when using the Sidekick™ you won't have to waste your time with measurements or precise placement of glass! Start on the opposite side of the vehicle from where you prefer to set a glass and install the Sidekick™ base and upper vacuum cups to the vehicle. When you are ready to set the glass, reach across the vehicle, set the glass on the arm of the base vacuum cup, then lower it down on the arm of the upper vacuum cup and proceed to set your side. You can then walk to the other side of the vehicle, lift the glass off of the Sidekick™, remove the base and upper vacuum cups from the vehicle and lower the glass into place. It works equally well from either side and also works on back glasses. The standard kit comes with the Sidekick™ base and upper vacuum cups. The deluxe kit also includes a double vacuum cup and 2 individual vacuum cups for use on the glass in addition to the Sidekick™ base and upper vacuum cups.
JSS756 • Standard Kit
JSK757 • Deluxe Kit

LBP684 • Lil Buddy Pro 1

The Lil Buddy Pro 1 is a unique tool that allows one person to set a windshield or back glass by themselves. You can set large windshields such as the DW1451 and DW1383 with no assistance! It is made of steel and has the highest quality vacuum cups available in the world. Lil Buddy Pro 1 is packaged neatly in a molded plastic case, along with a training DVD and product manual. It is also backed by a one-year warranty. Lil Buddy Pro 1 is easy to set up and easy to use. All sliding parts are built with stainless steel for a lifetime of use! The design allows the technician to apply urethane on the glass or body. It sets the glass precisely so no additional repositioning is necessary. Weighs only 10 pounds.

HST212 • The Auto Glass Setting Stick™

Invented by: Randy Boone

You can easily install a windshield by yourself without worrying about setting it properly. Place the Auto Glass Setting Stick™ over the windshield wiper post on the bottom of the windshield opening (or a non-skid pad that can be placed against the body when setting back glasses). The top end of the setting stick is held above the vehicle with a non-skid rubber pad that keeps the Auto Glass Setting Stick™ elevated. Set the opposite side of the glass from the stick. Then when you are ready to set the side of glass the stick is being used on, slightly lift and remove the stick to set. 48" Long x 2" Wide x 3/4" Thick. Made in the USA.

KIT3020 • SOLO® II

Windshield Setting Tool

The AEGIS SOLO® II windshield setting tool allows a single technician greater versatility to install challenging windshields alone on traditional two person jobs. It features a reversible arm that works from both sides of the vehicle, an extendable arm for vehicles and windshields of all sizes and works with any windshield curvature.

SOLO II FEATURES INCLUDE:

- Reversible, allows installation from either side of the vehicle
- Extendable arm for any size of vehicle
- Operates with ANY windshield curvature
- Lighter weight
- Handy carrying case
- Hardened steel and aircraft aluminum construction

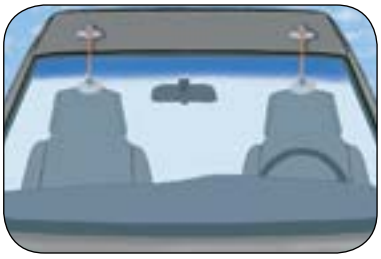
TJ1432 • Speed Stops™

Helps one person set a windshield.

Many vehicles do not come with stops and it can be almost impossible to set a windshield without something to hold the lower part of the windshield in place. Our Speed Stops™ can help you in several ways. They can be used as a permanent stop and will not squeak because they are made of nylon. Nylon is slippery, so when you use the stops to support the windshield you can "slide" it across the stops and lay it in place. Speed Stops™ are 1/2" long, but the nylon spacers can be quickly removed and shortened so Speed Stops™ will fit any vehicle. They are self-tapping so there is no need to drill a hole. Install the Speed Stops™, and as soon as the urethane is set up sufficiently to hold the windshield in place, you can remove them and use them again (just be sure to seal the small holes).

Package of 10

LJ1260 • TopSTOP™



Holds the glass up while the urethane is curing.

Most of today's urethanes start curing as soon as the windshield is installed. Since most vehicles do not have lower stops, it is necessary to tape the windshield in place while the urethane starts curing. With TopSTOP™, you put the vacuum cups on the windshield before you set it in place. As soon as the glass is set, you attach the other end of the vacuum cups to the top of the vehicle. By the time you have finished assembling the vehicle the urethane is usually cured enough to hold it in place. You then remove the TopSTOPs™. The wires are bright orange so you will not overlook them and leave them attached to the vehicle.

Set of 2

KB1228 • Rubber Setting Blocks

Those of you who have been around the industry for a number of years remember the rubber setting blocks that came with every box of butyl tape. Like you, we threw away thousands of them and years later found ourselves wishing we had those setting blocks. Now they are available from Equalizer. Works great on older vehicles. Size is 3/8" x 3/8" x 1", and made of hard rubber.

Package of 50

LK1261 • Universal Windshield Stop

Sometimes regular stops are destroyed in the removal process and you need a replacement stop. When this happens, our Universal Windshield Stops can be a lifesaver. Made of a plastic that is easy to cut and shape to fit your needs, but long enough to work with when the mounting area must be far below the windshield.

Box of 10

RL1382 • HoodStop™

Invented by: Dave Griesmer

Previously when a vehicle did not have stops, it was difficult for one person to set the windshield because he did not have anything to set it on. But now, with the HoodStop™, you just put the hood all the way down, dry-set the windshield, set the stop on the windshield in the proper position, and engage the vacuum. When you set the windshield, the HoodStop™ will stop the windshield in the correct place. A non-marring piece of felt attached to the bottom of the HoodStop™ prevents damage to the hood. You can then use tape or a set of our TopSTOPs™ (LJ1260 pg. 83) to hold the windshield in place while the urethane is curing.

StopGun™

12-Volt adhesive gun for installing stops

Setting windshields in vehicles today can be difficult because many of those vehicles do not have stops. Many technicians like to set a windshield on the stops, slide it across and lay it down on the urethane. Regardless of your method for setting a windshield, you still need something to stop it from sliding down while you are setting it and while the urethane is curing. This is where our Equalizer® StopGun™ comes in handy. It's a 12-Volt adhesive gun that can be used to install temporary or permanent stops to a vehicle. Prior to removing the windshield, plug StopGun™ into your vehicles power point so that it will be warm and ready to use by the time you get ready to start your removal. *Be sure and place something under the nozzle in case of any glue leaking out as it warms up. Then just mark the places where you will want to install the stops. After removing the glass, use StopGun™ to adhere the stops to the vehicle with our specially formulated glue sticks. After the new glass is set you can remove the stops and use them on your next job or trim them to fit before installing the windshield and then leave them in place. StopGun™ has a 10' cord so it will easily reach from inside any vehicle to the outside and comes with one glue stick.

GHS678

GSB679 • Package of 5 Glue Sticks

StopGun™ Stops

These stops are made of PVC plastic and extruded at a 90° angle. Soft so they will not damage the glass, but strong enough that they have very little flex under load. This allows you to sit the glass on the stop and slide it across the body in order to set it. StopGun™ Stops come in two sizes. The GTS680 measures 1" tall with a 1" base and is 1" wide and 1/8" thick. The larger size, our GTL695, measures 2" with a 2" base and is 1-1/4" wide and 1/4" thick. For permanent stops, just cut the upright leg to the proper size and leave them on the vehicle.

GTS680 • Package of 10

GTL695 • Package of 6

MCA265 • MegaRaptor™

This tool works great for cutting mouldings to size but also works perfect for cutting our StopGun™ Stops. When you use MegaRaptor™ to cut stops be sure to put the stop close to the back (see picture above). This will give you enough leverage to make a clean cut.

5304001 • GM B-Bodies Rear Window Stop

These are notorious for breaking easily and when they are broken it can be very difficult to find something that will work. There is no pinchweld ledge on which to lay any other type of clip so if the clip is broken it can be very difficult to keep the glass in place while the urethane cures. That is why it is a good idea to keep a package of these in your mobile vehicle all the time. Fits all GM B-Bodies Rear Windows and is NAGS® number 20173225.

Package of 25

5404001 • Chrysler Minivan Stops

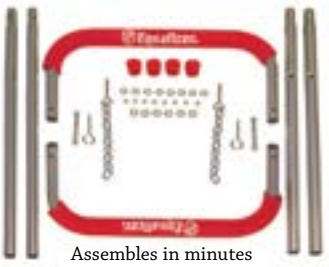
Chrysler Minivan is another vehicle that falls into this category. If you do not have the correct stop it can be very difficult to fabricate a clip that will work. Fits 84-00 Chrysler Minivan, 81-89 Aries, and 87-95 Le Baron Coupe Convertible and is NAGS® number 3767196.

Package of 25

Equalizer® Heavy-Duty Windshield Stand

Made of 1" tubing and designed to last a lifetime. The foam that cradles the glass is a medium-density foam that grabs and holds the glass so it cannot move. Two models available measuring 24" or 28" wide with an adjustable height from 30" to 39" depending on your needs. Height adjustment is done by hooking the I-bolt hook in the end of the chain for the lowest setting and then moving up the links to elevate the windshield stand. Stand assembles quickly with just 6 bolts. Weight capacity of 150-200 lbs.

HDS661 • 24" Wide
HDK629 • 28" Wide



Assembles in minutes

I0664 • Windshield Stand Replacement Pads

To install the new pads just unbolt the stand, remove the pipe tip and slide the new pad in place. They will also fit stands produced by other manufacturers.

STA668 • Equalizer® Stand-Aid™

Invented By: Jarrett Lafferty

Do you have a cracked, pitted, or torn windshield stand cover? The uneven surface can make it difficult to do your work or end up being a costly situation if the glass were to fall and break. A quick and easy fix is the Equalizer® Stand-Aid™. No need to remove the old covers, just wrap and secure Stand-Aid™ with the Velcro® tab over the existing ones and you are good to go! You can also remove and reuse elsewhere in a snap. Made of a 5 mm neoprene fabric with sharkskin and a two inch wide industrial Velcro® strip with a durable stitch. Measures 9" W x 19-1/4" L.

One Stand-Aid™

WSW208 • Work Stand Wheeler

This innovative work aid helps technicians to move loaded work stands easily, all by themselves. The Work Stand Wheeler fits square or round, X-Frame type tube stands and holds up to 500 lbs. of components. It has a low 3" profile to accomodate wall storage with the entire unit measuring only 36" in length. This means it's small enough not to be in your way during use and easy to store when done. Also, easily transportable for the mobile technician.

Lo-Rider™ Folding Glass Racks

How often do you need to carry something in your truck or van, but can't because your glass rack is in the way? Equalizer® has solved the problem with folding glass racks. Four friction pins hold the mast assembly in a vertical position. When you want to fold the mast, pull out the four friction pins, and then lay the masts down. It takes about thirty seconds! Available in two sizes: 9-slot and 5-slot. The racks come pre-assembled; just bolt the rack to the vehicle and you are ready to go. Constructed with heavy-duty aluminum so there is no paint to chip or metal to rust. Wide mast spacing allows you to carry any size glass panel. Easy loading of glass from top or side allows you to work out of trucks or vans. The NSE825 measures 20-1/2" L x 30" W x 21" H and the NSE826 measures 32" L x 30" W x 21" H. Made in the USA.

NSE825 • 5-Slot
NSE826 • 9-Slot

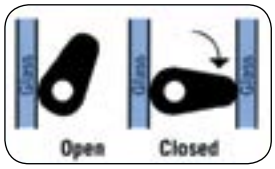
Patent No. 5884778

Burco® Redi Rack™

Burco® has established a solid reputation as a manufacturer of high-quality windshield racks. They have also established a reputation for innovation. Burco® Redi Racks™ are constructed of heavy-gauge steel with a highly durable, powder-coat finish for all-weather protection and low maintenance. Redi Rack™ carriers secure windshields in place with Burco®'s exclusive and proprietary finger-lock design to prevent damage in transit. Made in the USA.

BS1047 • 5-Slot With 15" Masts
BT1048 • 9-Slot With 15" Masts
BV1050 • 9-Slot With 24" Masts
BW1052 • Slick Eddie™

Assembly Required



Proprietary finger-lock design

Slick Eddie™ free with each Burco® windshield rack. Reduces friction between windshield and rubber base.

SL493 • Wheelstep™

Simply unfold this stepladder, hook it over the wheel of the vehicle, and step up to work on the windshield. It gives you a 12" to 20" boost, depending on tire size. Rugged 1" tubular steel easily supports up to 200 pounds. The 22" wide non-slip, safety-surface gives positive traction. Folds flat for compact storage.

ULF481 • Equalizer® Ultrasonic Leak Detector

Older methods of detecting a windshield leak, such as putting water on the area in question and waiting for it to leak, can be time consuming and inconsistent. If you use our Ultrasonic Leak Detector you can save time while ensuring accuracy. It's as simple as putting the transmitter into the vehicle, running the receiver over the suspected area, and finding the leak. Ultrasonic leak detectors work by transmitting sound waves that are not detectable to the human ear. One important thing to remember is to check the vehicle while it is dry, or after you have dried it thoroughly (water can get into the leaking area and seal it so sound cannot get through). You then put the headphones on and turn on the receiver that can hear the sound waves coming through the opening. The sound waves will not go through glass, rubber or metal so in order to pinpoint the leak, listen for the receiver tone to register louder and softer. Besides the audible sound, you can also watch as the green (on) light turns to red when it detects a leak in the vehicle. Transmitter and receiver are each powered by a 9-Volt battery (included). Packaged in a handy carrying case. It has a one-year warranty.

NLD459 • Amprobe® Ultrasonic Leak Detector

Everyone in the Auto Glass Industry has encountered an air or water leak that is almost impossible to find. With our Ultrasonic Leak Detector, you can find those leaks. It works by placing a transmitter inside the vehicle, then the transmitter sends out a sound, not audible to human ears, which passes through the opening that is causing the leak. As you slowly run the receiving wand over the suspected area, the receiver will pick up the transmitter's sound waves and make a sound that you can hear, showing you exactly where the leak is. One important thing to remember is to check the vehicle while it is dry, or after you have dried it thoroughly (water can get into the leaking area and seal it so sound cannot get through). The Ultrasonic Leak Detector has both audible and visible indicators (including leak intensity indicators). It is completely portable and battery powered (two 9-Volt batteries included). No warm-up needed, ready to use when powered on. It has a one-year warranty.

Marcy® Underglass Mouldings

Many new vehicles are designed with exposed-edge glass and under-the-glass mouldings. Marcy® Underglass Mouldings are designed to make for faster, easier installation resulting in a more profitable replacement. For those Green conscious consumers, they are Lead free (RoHS compliant) and come in a Smart Box™ for less waste and lower shipping costs. The mouldings are self adhesive and flexible allowing for superior cornering. UGM1 is made of a solid, rubber based EPDM, UGM2 and UGM3 are made of an extremely flexible sponge material useful on tight corners. UGM4 is made of medium dense sponge, and UGM5 is made of dense sponge that is strong but flexible. With these 5 different types, you'll have the right moulding for every job. To reduce shipping costs the mouldings are dual extrusion, meaning an extremely thin piece of material holds two pieces together. To make one moulding you separate them. The 90' roll is made up of two 45' sections and the 100' roll is made up of two 50' sections. Made in USA.

UGM1 • 5/16" x 90', Solid
UGM2 • 7/32" x 100', Sponge
UGM3 • 9/32" x 100', Sponge
UGM4 • 9/32" x 100', Medium Sponge
UGM5 • 1/4" x 100', Firm Sponge

Gold Glass Group Original Mouldings

Gold Glass Group Mouldings do not shrink or discolor over time, never crimp around corners, always lay flush against the vehicle, never need a heat gun to install, and fit both thick windshields and thin tempered parts. A thin layer of butyl is made into the channel of each moulding. When the moulding is pushed onto the glass, the butyl adheres to the edge of the glass and the moulding will not come off. T110 is intended to replace push-in "Christmas Tree" mouldings. The great thing about this moulding is it has an adhesive under the part that goes against the vehicle. This adhesive sticks to the vehicle and holds the moulding in place while the urethane cures. The adhesive assures a perfect bond and the cured urethane holds it permanently in place.

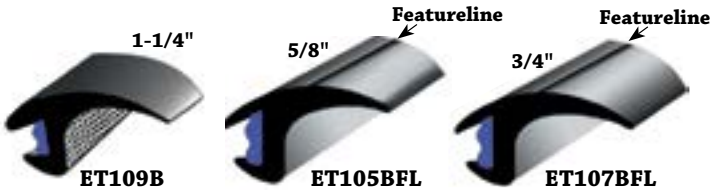
T105B • 75' Spool
T107B • 75' Spool
T108B • 75' Spool
T109B • 65' Spool
T110 • 75' Spool
T100B • 120' Spool
T101B • 90' Spool
T301B • 75' Spool

Gold Glass Group Featureline Moulding

A little accent line that gives your installation some extra style

Each moulding is a counterpart to our original moulding. The T105BFL can be used in all applications where we recommend using the T105B, and the T107BFL can be used in all applications where you use the T107B. This is one of those nice things you can do for your customer without it costing you more.

T105BFL • 75' Spool
T107BFL • 75' Spool



Gold Glass Group Chrome Moulding

Here is an opportunity to make a little extra money. Just show your customer this moulding with the beautiful chrome insert and chances are he will say, "Put that one on". You can easily charge twice the amount of a regular moulding. The chrome part of the moulding is 5/8" wide and stands out boldly from the black part of the moulding.

T120 • 75' Spool

Gold Glass Group Economy Mouldings

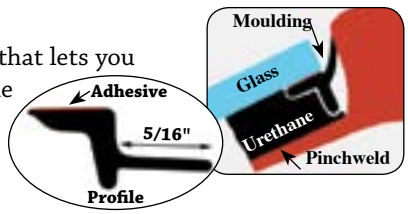
In addition to extremely high-quality mouldings, Gold Glass Group also offers economy mouldings. Do not let the word economy fool you. When Gold uses the word economy, it takes on a whole new meaning. These are high-quality mouldings and, when compared to most competitors, they would be considered the highest-quality available.

ET105B • 75' Spool
ET107B • 75' Spool
ET108B • 75' Spool
ET109B • 65' Spool
ET105BFL • 75' Spool
ET107BFL • 75' Spool

Underside Moulding

The ET201 has an adhesive strip that lets you attach it to the bottom edge of the glass, just like the original. Each spool is 90 feet.

ET201



Rubber Underside Moulding

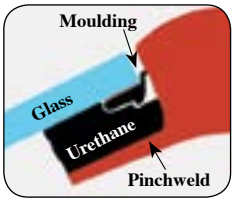
An EPDM rubber underside moulding. This mouldings profile can be used in applications with a shallow pinchweld and a wider distance from the edge of the glass. Each spool is 100 feet.

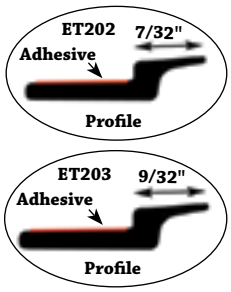
ET204

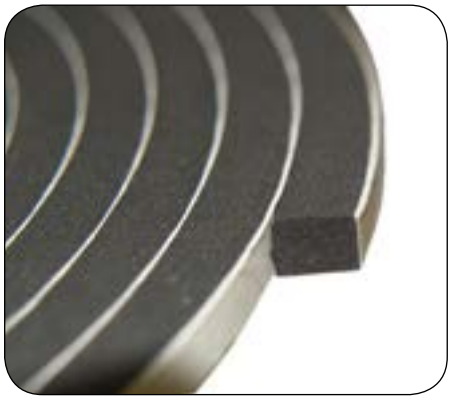
Tight-Radius Underside Moulding

The ET202 is specifically designed to replace these damaged mouldings on quarter and back glasses that have extremely tight-radius corners. Each spool is 100 feet.

ET202
ET203







Foam Installation Tapes

Commonly called foam dams

On many vehicles you can see the urethane from the inside of the vehicle and this is why manufacturers use a foam dam. Foam dams do two critical things, first they prevent the urethane from squeezing into the vehicle, but secondly and perhaps as equally important is they give a smooth nice looking finish to the inside of a vehicle. While this appearance may not be important to the construction worker driving a work truck, it is very important to a person driving a nice new vehicle. For this reason you should always have a selection of these foam dams with you. It is a small price to pay when you consider the alternative of removing a windshield to clean up a messy urethane job. Adhesive on one side only.

OSA6492 • Neoprene, 1/8" x 3/16" x 18' • Box of 12
OSA6493 • Neoprene, 3/16" x 3/16" x 18' • Box of 12
OSA6494 • Neoprene, 1/4" x 1/4" x 18' • Box of 12
OSA6495 • Neoprene, 5/16" x 1/4" x 18' • Box of 12
OSA6496 • Neoprene, 3/8" x 1/4" x 18' • Box of 12

1985-88 Cadillac Deville & Fleetwood
DB06840
1986-97 Ford Aerostar
DB06822, DB06823, DB06939, DB06952, DB06953, DB06954, DB06955, DD06807, DD06810, DD06812, DD06814, DD06816, DD07577, DD07578, DD07666, DD07667, DD07982, DD07983, DD07984, DD07985, DD07986, DD08820, DD08821, DD08822, DD08823, DQ06818-19, DQ06820-21, DQ07492-93, DQ07494-95, DQ08826, DQ08827, DV06801-02, DV06803-04, DV08000-01, DV08780-81
1983-90 Ford Bronco II
DQ06531-32, DQ06533-34, DQ06780-81, DQ06930-31, DQ06932-33
1992-93 Ford Crown Victoria
DQ07911-12
1992-02 Ford Econoline
DB08029-30, DB08969-70, DB09323-24, DB09520-21, DD08019, DD08020, DD08024, DD09316, DD09318, DD09510, DD09511, DQ08025-26, DQ08027, DQ09319-20, DQ09321-22, DQ09516-17, DQ09518-19
2000-02 Ford Excursion
DQ09650-51, DQ09652-53
1997-03 Ford Expedition
DQ09139, DQ09140, DQ09143, DQ09144, DQ09147, DQ09148, DQ09685, DQ09689, DQ09931, DQ09932
1991-02 Ford Explorer
DQ07805-06, DQ07807-08, DQ07817-18, DQ07989-90, DQ09289-90, DQ09295-96, DQ09405-06, DQ09407-08, DQ09409, DQ09749-50, DQ09876, DQ09877, DQ09878
1980-02 Ford F Series
DB08981, DB08982, DB08983, DB08984, DB09333, DB09334, DB09410, DB09638, DB09639, DB09911, DQ06071-72, DQ08004-05, DQ08978, DQ08980, DQ09331-32, DQ09349, DY90077, DY90078, DY90081, DY90084, DY90085, DY90086, DY90093, DY90094, DY90101 1987-02 Ford Mustang
DQ07206-07, DQ07208-09, DQ08430-31, DQ09494-95, DQ09657-58, DQ09925-26
1986-02 Ford Taurus
DQ06970-71, DQ06972-73, DQ08006-07, DQ08442-43, DQ08857-58, DQ08863-64
1983-94 Ford Tempo
DQ06492-93, DQ06494-95, DQ06496-97, DQ07121-22, DQ07389-90
1987-97 Ford Thunderbird
DQ07198-99, DQ07214-15, DQ07420-21, DQ07422-23, DQ07498-99, DQ07500-01, DQ08644-45
1995-02 Ford Windstar
DD08477, DD08478, DD08581, DD08582, DD09267, DD09268, DD09536, DD09538, DD10082, DD10083, DQ08479-80, DQ08481, DQ08583-84, DQ08968
1988-84 Lincoln Continental
DQ07358-59, DQ07360-61, DQ07844-45, DQ07930-31, DQ08455-56, DQ08457-58
1984-92 Lincoln Mark VII
DQ06623-24, DQ06625-26, DQ06627-28, DQ07830-31
1993-98 Lincoln Mark VIII
DQ08228-29, DQ08952-53
1998-03 Lincoln Navigator
DQ09300, DQ09898, DQ09899, DQ09900, DQ09901, DQ09931, DQ09932 1990-97 Lincoln Town Car
DQ07678-79, DQ07687-88, DQ07689-90, DQ07963-64, DQ08466-67, DQ08468-69, DQ08470-71, DQ08472-73, DQ08956-57
1991-94 Mazda Navajo
DQ07805-06, DQ07807-08
1987-02 Mercury Cougar
DQ07200-01, DQ07218-19, DQ07424-25, DQ07426-27, DQ07504-05, DQ07506-07, DQ08646-47, DQ09415-16
1997-02 Mercury Mountaineer
DQ07817-18, DQ07989-90, DQ09295-96, DQ09407-08, DQ09409, DQ09876, DQ09877, DQ09878
1986-02 Mercury Sable
DQ07113-14, DQ08011-12, DQ08221-22, DQ08863-64
1983-94 Mercury Topaz
DQ06494-95, DQ06496-97, DQ07350-51, DQ07389-90
1993-98 Mercury Villager
DD08159, DD08160, DD08961, DD08962
1993-98 Nissan Quest
DD08159, DD08160, DD08961, DD08962

Foam Core Butyl

Many Ford, Lincoln and Mercury original specifications require foam core butyl. In recent years, it has become almost impossible to find. Foam core butyl provides a unique, “memory foam” capability that butyl alone does not have. It provides a perfect leakproof seal every time. Foam core butyl is the perfect seal if you are a company that installs custom windows in vans, sunroofs or any bolt-in type glass. Comes in two sizes.

NO1336 • 16' Long, 6 x 7 mm (approx. 1/4" x 1/4") • 6 Pieces Per Box
NP1337 • 16' Long, 8 x 8 mm (approx. 5/16" x 5/16") • 6 Pieces Per Box

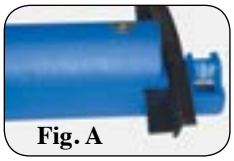


Fig. A

Fig. B

GU397 • Underside Moulding Installer

To use the Underside Moulding Installer, push the moulding through the handle as shown (Fig. A) and then roll it along the edge of the glass (Fig. B), pushing downward (to set the adhesive) and inward against the edge of the glass (to keep the moulding a consistent distance from the outside edge). It is made of a heavy-duty plastic material and will give you years of carefree service.

BMG466

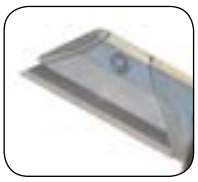
UMA297

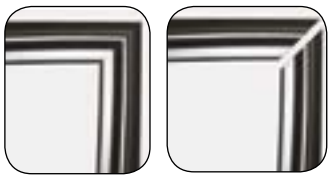
Moulding Adhesive

An easy way to save money on OEM mouldings is to use a universal moulding and make your own. If you are making mouldings that are mitered together at the corners, or mouldings that go all the way around a glass and join together at the bottom, then you need an adhesive that will permanently hold the moulding together. Our Moulding Adhesives are super-strong, weather-resistant adhesives that will glue the moulding together and maintain a strong bond through any type of weather. It only takes a small drop to glue the moulding together, so each bottle is enough adhesive for hundreds of mouldings.

BMG466 • Black • 1/2 Oz
UMA297 • Clear • 1/2 Oz

Cast-in numbers show precise degree marks to help you make perfect cuts.


Cutting blade is a utility knife blade and can be changed in seconds.


After the moulding is cut you can glue it together with moulding adhesive.

MCA265 • MegaRaptor™ Standard Moulding Maker

Make precise angle cuts with this tool. Place your universal moulding on the lower jaw of the moulding cutters and squeeze the handle. A sharp utility knife blade cuts the moulding straight, smooth, and at the proper angle. The lower jaw has cast-in numbers and lines to show you the angle you are cutting. You can replace the cutting blade by removing two screws. Uses standard utility knife blades UKB498.

Cast-in degree markers help you to make a perfect cut.

Cutting blade is a utility knife blade and can be changed in seconds.

GAC245 • Deluxe Moulding Maker

Many vehicles still use mouldings that have “square” corners. Now you can make your own “square-cornered” mouldings. Place your universal moulding on the lower jaw of the moulding cutters and squeeze the handle. A sharp utility knife blade cuts the moulding straight, smooth, and at the proper angle. It has cast-in degree markers to help you get the proper angle on your mitered cuts. Change the blade by simply removing one screw, removing the dull blade and replacing it with a new blade. Uses standard utility knife blades UKB498.

TECH TIP: Remember Moulding Retention Tapes are not intended to hold the windshield in the vehicle. The sole purpose is to hold the moulding in place.

Auto Glass University
POWERED BY Equalizer®

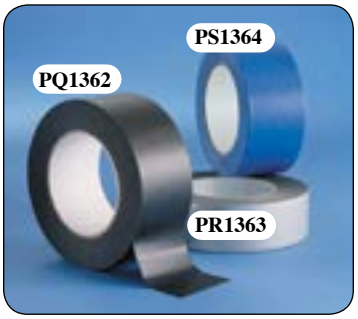
PHT318 • Moulding Hold Down Tool

The corners on mouldings will often rise up and leave an unsightly gap under them. Taping these mouldings down can be disastrous because the tape will sometimes attack the paint and, in the worst case, remove it. Our Moulding Hold Down Tool is attached with a vacuum cup. Pressure is then applied to each end of the tool by turning the knob to apply upward pressure on the vacuum cup, thereby applying downward pressure on both ends. These are very useful in the auto glass shop, but they may be even more useful in the body shop. Sometimes emblems and side mouldings cannot be held with double-face tape and must be glued with an adhesive. Use these to hold the emblem or moulding in place while the adhesive cures. Made of high-impact plastic.

Burco® Moulding Retention Tape

There are still a lot of vehicles on the road that must have the moulding taped down so the urethane can cure and hold the moulding in place. Burco® Moulding Retention Tapes have excellent adhesion and are available in three different types. The black moulding tape is a standard grade and is intended to be put in place and then removed within 24 hours. The silver tape is a premium grade that is UV resistant and is intended for situations where the tape needs to be left in place for a few days. This tape is also great when you must seal an opening when a glass is not immediately available. The blue tape is a premium grade, low-tack moulding retention tape that should be removed within 24 hours.

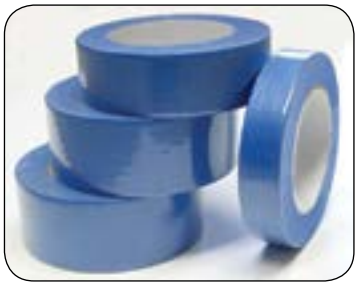
PQ1362 • 2" x 180' Black Tape
PR1363 • 1-1/2" x 180' Silver Tape
PS1364 • 2" x 180' Blue Tape



Premium Masking Tape

Masking tape is often used to hold down mouldings or other items that must be held in place while an adhesive cures. This Premium Masking Tape works well for these cases and is UV resistant which means it will not damage or remove the paint when exposed. Rolls come in three widths with each roll measuring 60 yards (180 feet) long and individually wrapped in plastic.

GBT285 • 1" Wide
GBT286 • 1-1/2" Wide
GBT287 • 2" Wide



Available with 24 Hour Imprint

Available with perforations every 3" or 6" for easy tearing.

Gold's Retention Tape

This tape is designed to temporarily retain the rubber/plastic moulding in the proper position while the urethane is curing. This tape leaves no residue, repels water, and is translucent so you can see if it is holding the moulding in place. Gold Glass Group provides a limited paint delamination guarantee. Each roll is 108 feet long and 1-1/2" wide with the exception of GOR0206 that is 2" wide.

GOR1206 • Orange, No Imprint, Perforated Every 6"
GOR1226 • Orange, 24-Hour Imprint, Perforated Every 6"
GOR0206 • Orange, No Imprint, Perforated Every 6"
GOR1224 • Orange, 24-Hour Imprint, Perforated Every 3"
GOR1201 • Orange, No Imprint, No Perforations
GCL1200 • Clear, No Imprint, Perforated Every 3"
GCL1224 • Clear, 24-Hour Imprint, Perforated Every 3"

Moulding Retention Tapes are not intended to hold the windshield in the vehicle. The sole purpose is to hold the moulding in place.

Marcy® Moulding Retention Tape

Marcy® Moulding Retention Tapes are designed to secure mouldings until the urethane cures. They are made of an all-weather material which will endure direct sunlight, rain and snow. The tape stays firmly on the vehicle then peels clean leaving behind no residue. The rolls are perforated for easy tear and professional finish and the translucent material allows for see through inspection. Offered in three different colors each with the option of a 24-Hour imprint or plain, with perforations. Made in the USA.

ME0072 • 1-1/2" x 108' Orange, 24-Hour Imprint, 6" Perforations
ME0067 • 1-1/2" x 108' Orange, 6" Perforations
ME0080 • 1-1/2" x 180' Orange, 6" Perforations
ME0073 • 1-1/2" x 108' Clear, 24-Hour Imprint, 6" Perforations
ME0071 • 1-1/2" x 108' Clear, 6" Perforations
ME0076 • 1-1/2" x 108' Blue, 24-Hour Imprint, 6" Perforations
ME0074 • 1-1/2" x 108' Blue, 6" Perforations

Marcy® Masking Tape

Marcy® Masking Tape is ideal for holding down mouldings or other items on vehicles while an adhesive cures. It can also be used to secure a piece of plastic or WindowGuard™ (See Page 163) over an opening to seal out the weather. These tapes are made of an all weather material and have a no residue adhesive that will peel cleanly off the vehicle. Made in USA.

ME7100 • Blue • 1" x 180'
ME8100 • Black • 1" x 180'
ME9150 • Silver • 1-1/2" x 180'

Marcy® Tip Tape

Tip Tape is a great protectant used on the corners of a piece of glass to protect it from scratches and rub marks. Not only is it meant to protect the glass it's placed on but also other pieces of glass being stored or transported along with it. However, this is not its only use. Tip Tape can also be used for protecting delicate areas around a vehicle's fender, hood or mouldings. It is made of a durable material combining a high-bond, clean peel adhesive with a thick film substrate. This thick film acts as a shock absorber (in case you drop something against the painted or chrome corners that are so easily damaged). Tip Tape protects until removal by the glass technician, whereas other tapes may peel prematurely, failing to protect the area. It withstands a wide range of temperatures and weather conditions, is UV resistant, and has a clean removal. Made in USA.

ME0066 • 3" x 300' Orange, Perforated

FV1128 • Heavy-Duty Heat Gun

Professional, industrial quality design

Our Heavy-Duty Heat Gun will heat up to 1000°F and has a huge air flow of 23 cubic feet per minute. The perfect tool for those rainy/snowy days when you really need to dry out the area around a windshield or back glass, or heat those mouldings. It has a powerful high-speed motor, a sturdy die-cast housing, and an adjustable non-slip stand which has a rubber backing so you can sit it on the vehicle without worrying about damage to the paint. The switch is wired so it will blow without the heating element being turned on. When finishing a job you put the switch on the blow cycle and it will cool the heating element. This feature can add hundreds of hours to the life of the heating element. A friction-style air flow adjustment allows you to increase or decrease the heat produced by the heat gun. Uses 14.5 amps (1740 watts). Made in the USA.

Hands free operation

If you use an inverter to power your heat gun be sure to read the precautions about power requirements on inverter page 43.

HGS353 • Equalizer® HeatWave™ 120-Volt Heat Gun

Perfect for reshaping mouldings, drying pinchwelds, or warming glass and pinchwelds. This compact, lightweight, easy to use heat gun is perfect for dozens of shop uses. With temperature settings of 570°F and 1050°F, and an air flow of 15 cubic feet per minute, the HeatWave™ will handle a wide range of heating requirements where high and low heat is required. The HeatWave™ features an ergonomically-designed Lexan® housing that is lightweight. It has an oil-resistant, grounded, Neoprene 3-wire cord set. It has a built-in hand and switch guard with a double protected element housing and a wrap-around air intake which allows the gun to draw in air while in the upright position. Uses 12 amps (1440 watts) and has a hanging loop for easy storage. Made in the USA.

HE373 • Heating Element

With extended use the heating element on all heat guns will burn out. We offer a replacement heating element for our HGS353.

MHP139 • Equalizer® Hot Pocket

Urethane or Moulding Heater

The trick to keeping all mouldings pliable and easy to work with is to keep them warm. The Equalizer® Hot Pocket holds two boxes of moulding and heats to a very toasty 105°F. It plugs into the power point and uses the electricity of your vehicle to produce the heat. The Hot Pocket draws only 2.8 amps of 12-Volt electricity and has a self protecting design that will not let it draw more than 5 amps. Made of Ballistic nylon.

Insulated flaps and Velcro® sealed top ensure that the contents stay warm.

Heats to 105°F and maintains that temperature.

FCT686 • A-Pillar Release Tool

Invented By: Jason Lowe

A simple pull and push with the A-Pillar Release Tool around the clip will release each side of the arrow style clip legs from the vehicle. Works better than a door panel tool or flat headed screw driver that many techs try to use. It is thinner, allowing you to get more of the tool on the clip so that you can pry on the clip itself to release it instead of prying on the A-pillar hoping the clip releases. Techs crack and break A-pillar mouldings this way. The A-Pillar Release Tool works on Ford Flex and Mini Cooper as well as many others with the arrow tipped style clips. Made in the USA.

In this picture the moulding has been taken off of the clip so you can get a clear view.

The clip removal tool is pushed into the release openings and inward pressure is applied

The pressure releases the small V catches that hold the clip in place.

JLT656 • Honda/Acura Clip Removal Tool

Invented by: Jason Lowe

Some clips you cannot push in on one part of the clip and remove it, you must push in on both prongs of the clip at the same time and keep the forked end level with the glass at all times. Our JLT656 is designed to work on a wide range of Honda and Acura vehicles with smaller or narrower openings than some of the older clips. Its thin design allows it to work on the Accord (2003 and up), the Civic (2001 and up), the Odyssey, Acura RL, Acura TL, and the Acura TSX (2005 and up). These vehicles are some of the most popular in America and are encountered daily by technicians. The clip remover jaws are 1-1/8" inside and each clip release jaw is 1/8" wide. It is made of 1/16" thick hardened stainless steel. Made in the USA.

FTF399 • Ford F-150 (2004-2008) Pickup Clip Remover

Also works on Nissan Maxima and many others

Invented by: Mike Kendall

To use this clip remover, start at the bottom of the moulding, inserting the tool into the retainer and work your way up wedging the tool between the retainer and the clip. This will release the clip from the retainer. Made of high-quality hardened steel.

F-150 Ford Clip

ClipFork™ pushes all the locking tabs down at the same time.

MCR633 • ClipFork™ Clip Remover

Invented by: Dominic Lucado

The step clip used on most Honda vehicles has 4 individual locking tabs on each side and they are staggered, so a locking tab will catch as you push the moulding into place. Push the molding down a little further and the next tab will catch. This adjustable clip is how Honda and Acura achieve that perfect fit, which is great for the cars but is a nightmare for the technician. To remove the clip you must push in on both prongs of the clip at the same time and keep the forked end level with the glass at all times. The ClipFork™ Clip Remover allows all of the clips to slide out without each one catching on the clip. Works on clips such as FW2358/2387, FW2351/2358/2387, FW2351, and dozens of other clips. Made in the USA.

Moulding Clips Application Chart

Part #	Application	NAGS®	Color
1205001	Ford F150	DW 1529 / DW 1548 / DW 1551 / DW 1621	Black
2102042	Honda	FW641 / 653 / 680 / 684 / 805	White
2102055	Honda	FW703 / 705 / 709 /731 / 732 / 751 / 761	Red
2102072	Honda Accord	FW2358/2387	Gray
2102073	Honda Accord	FW2358/2387	White
2102074	Honda Accord	FW2351/2358/2387	Green
2102075	Honda Accord	FW2351/2358/2387	Blue
2102076	Honda Accord	FW2358/2387	Pink
2102077	Honda Accord	FW2351/2358/2387	Blue
2102078	Honda Accord	FW2358/2387	Beige
2102079	Honda Accord	FW2351/2358/2387	White
2102080	Honda Accord	FW2351	Yellow
2102081	Honda Accord	FW2351	Red
2102082	Honda Accord	FW2351	Blue
2304001	Mitsubishi	FW444 / 445 / 446 / 493 / 494 / 495 / 496/ 548 / 563 / 606 / 617 / 665	White
3101001	BMW	FW574 / 614	Grey
3104001	Volvo	FW398 / 404	Grey
3104002	Volvo	FW398 / 404	Green
PCK1099	Ford F-150,250,350	DW1099	Brown

235103 • Honda Accord Assorted Clips
These clips are used on the FW2358, FW2387, and FW2351.
Package of 25

Butyl Inside

Cowl Panel Without Moulding

Installing Universal Cowling Moulding

Cowl Panel With Universal Cowling Moulding Installed

UCM1529 • Equalizer® Universal Cowl Moulding

Our Universal Cowl Moulding was designed to solve the ongoing challenge of ensuring a solid adhesive bond of the rubber strip to the cowl after windshield replacement or to simply replace the vehicle's cowl moulding when it deteriorates, tears, or breaks. Our Universal Cowl Moulding was created to fit easily over the leading edge of many cowls, and is held in place by a butyl strip inside the channel. The moulding helps seal the cowling lip and keep water and debris from entering and also gives a clean and finished look to the job. Comes in 100 ft. spool. Just cut off your desired length as needed. Make sure to warm the moulding so that the butyl becomes tacky and will adhere to the cowling panel when fitted. You can warm the moulding several ways; If it's a warm sunny day just set it out in the sun for a bit. If it's cooler weather, put it inside the vehicle on top of the dash and turn the defroster on or use our Hot Pocket Moulding Heater (Part Number MHP139 on page 93). When the moulding is nice and warm, start at one side of the vehicle, tuck in the edge of the cowl moulding, lay the moulding flat against the glass and start pressing firmly downward towards the cowl panel so that groove of the moulding encases the lip of the cowl panel. Smooth with your thumb as you go to make sure it's flush to the vehicle and has a nice smooth appearance. When you reach the other side, tuck the end in and you are finished.

FT1079 • Foam Tool Tray

When working on the rearview mirror, wipers or door panels do you have trouble finding a place to put your tools so that you won't damage a customers vehicle? Or need a place to put those stubborn little pieces like clips, screws, nuts and bolts so they don't get lost? Our Foam Tool Tray is the perfect solution! Made of a lightweight, soft foam material that won't damage the vehicle. Has dual handles for easy carrying with a recessed area that is perfect for holding hand tools, screws, nuts and bolts safely and securely.

Cowl Fastener Application Chart

Part #	Application	NAGS®	Color
5203001	Ford	DW1319	Black
6102001	Honda	FW 459 / 479	Black
6102005	Honda	FW7519 / 520	Black
6102006	Honda	FW475 / 479 / 519 /520	Black
6102011	Honda	FW475	Black
6102018	Honda / Acura	FW641 / 653 / 2009	Black
6102019	Honda	FW641 / 653 / 8002 / 803 / 2008 / 2003	Black
6102020	Honda	FW703 / 705 / 709 / 732 / 2023	Black
7101001	BMW	FW574 / 614	Black

TPE657 • Clip Removal Tool

There are many small clips you must remove when working with automobile glass. Many cowlings and drip gaskets around the cowlings are held on by these small clips and it is difficult to find a tool that will go under them. Our Clip Removal Tool has a V-groove with sharpened tips so it will slip under the head of the clips. Simply push the handle down and pry them out.

CTD607 • Recessed Cowling Clip Removal Tool

Invented by: John Buer

Some self-locking cowling clips are recessed down into the cowling. They are not the type that look like a Phillips or TORX® screw, but are the type that can be removed with a tool like the TPE657. The only problem is the TPE657 will not reach down into the recessed area and go under the head of the clip. If you manage to force it under the head of the clip, you can damage the cowling around the recessed part. This is where our Recessed Cowling Clip Removal Tool becomes the most useful tool in your toolbox. It will easily fit down into the recessed area and then can be slid under the head of the cowling clip. You then pull up on the center locking part and the clip can be removed.

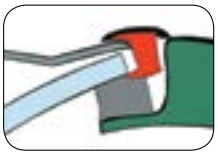
CCR819 • Standard Cowling Clip Removal Tool

Invented by: Derek Critzburg

If expansion-type cowling clips worked the way they were designed, you would simply unscrew the plastic screw and the clip would come out. Unfortunately, they seldom work correctly (some are not even designed to be taken out). Our Cowling Clip Removal Tool has a small sharp screw that bites into the plastic head and pulls the screw out. The clip will then collapse and can be easily removed. Made in the USA.

TCR370 • Toyota, Honda, Infiniti, Lexus, Acura & Subaru Clip Remover

Removing these clips is difficult because the clip presses into a series of "teeth" that hold the clip in place. To remove these clips you first slide the clip remover under the moulding then push the tool down between the clip part that is attached to the body and the part that is attached to the moulding. Then pry the clip up lightly. This disengages the teeth and releases the clip. (To remove Toyota clips, push the double-pronged end of the tool toward the pinchweld and push the tool handle downward toward the glass, prying the clip up.)
Made in the USA.

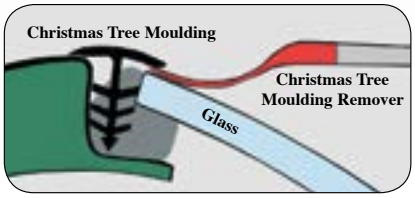

Toyota clip example

Other models clip example

RFM683 • Christmas Tree Moulding Remover

Invented by: Troy Harker

Without the right tools, Christmas tree mouldings are often difficult to remove. Sometimes, you cannot find a place to start prying them up. Flat screwdrivers do not always fit under them because the mouldings lie tight against the glass. Even if you get a flat screwdriver under them, you still damage the mouldings since you cannot get the proper leverage. Equalizer®'s Christmas Tree Moulding Remover solves these problems. It is thin enough to fit under mouldings and wide enough so the tool will not tear them. The long curve gives you leverage to pry against the glass. The wide shank is coated with a piece of soft plastic so it absorbs shock and is less likely to break the glass. Made in the USA.



MR747 • Moulding Release Tool

Works well with older model vehicles.

Slide the tool left or right under the moulding until it hooks a retaining clip. Rock the tool with a twist of the wrist to pull the clip out slightly. This releases the moulding from the clip. It is made of heat treated, high-carbon steel.

DEC381 • Double-End Moulding Release Tool

Our Double-End Moulding Release Tool is made of steel so it will not bend. It has a small rubber spacer through each end to hold the tool up off of the glass about 1/32". This is important for two reasons. First, it prevents the tool from scratching the glass. Secondly, it holds the end above the glass so there is less of a chance the tip will catch the edge of the glass and break it.

IW1214 • Double-Direction Moulding Release Tool

One challenging thing about being an Auto Glass Technician is never knowing what the next job will bring. You might be working on a state-of-the-art vehicle one hour and the next hour be working on a vehicle that is 30 years old. There are still a lot of vehicles around that have clips holding the mouldings in place. This type of clip tool has been an industry standard for over 50 years. Our Double-Direction Moulding Release Tool is made of hardened steel with a long, easy-to-grip handle.

MB744 • Equalizer® Mirror Hex Wrench

Clip it in your shirt pocket just like a pen and you always have a rearview mirror removal tool handy. Two-sided hex wrench fits most domestic vehicles.

MB743 • Equalizer® Mirror Bracket Wrench

Has a T-15 Torx® and a T-20 Torx® for General Motors' and Ford rearview mirrors.

MBR600 • Equalizer® Mirror Torx® Wrench

Use this handy tool on models with Phillips head screws, or flip it over and use the T-15 Torx® on most domestic models.

LRR243 • Lexus Rearview Mirror Removal & Assembly Tool

For Lexus 300, 330 and some Toyota models

Invented by: Dominic Lucado

If you have ever worked on one of these rearview mirrors there is no need to tell you how annoying they are.
A pressure clip holds two small ball bearings in place.
The ball bearings lock the rearview mirror assembly to the windshield bracket. When removing the rearview mirror assembly, we recommend that you take the screw out to release the rearview mirror and leave everything else attached to the glass. Once the glass is laying flat on your windshield stand, you can remove the pressure clip with our Lexus Rearview Mirror Removal & Assembly Tool. We suggest putting the bracket on the windshield before installing the glass. When installing the hardware, make sure the guide pin on the removable bracket aligns with the opening on the windshield bracket, squeeze the pressure clip and place it inside the bracket so it holds pressure on the two ball bearing supports. The unique bent-angle design of the tool hooks and holds the pressure clip so you do not lose it.

The unique bent-angle design prevents the clip from popping off of the tip.

TN1436 • Replacement Ball Bearings

Sooner or later you are going to lose a ball bearing when replacing a Lexus or Toyota rearview mirror! When you do, they are not readily available in stores since they are metric-size ball bearings. Order a package of them now and when you need them they will be laying in your toolbox. You cannot reinstall the rearview mirror without the ball bearings.

Package of 6

JMR357 • Spring Latch Rearview Mirror Removal Tool

Invented by: Matthew Hatchell

Spring latch rearview mirrors have become common on many vehicles. A small spring located inside the rearview mirror is pushed down as you slide the rearview mirror onto the mirror button. When it is properly seated the latch springs into place and locks the mirror to the mirror button. Because this spring is hidden inside it is very difficult to release. Our removal tool compresses the spring so the mirror will slide off of the mirror button. Just place the front end of the tool level against the glass at the bottom of the mirror base and push the tool into the opening then slide and wiggle in an upward motion. It compresses the spring and allows you to slide the mirror off of the mirror button. Made of high-impact plastic. Made in the USA.

FMR482 • Ford Rearview Mirror Removal Tool

Simply slide the blade of the Ford Rearview Mirror Removal Tool between the mirror bracket and the mirror. A gentle rocking motion with the tool, using upward pressure, will dislodge the mirror. Made in the USA.

GM602 • Breakaway Rearview Mirror Removal Tool

Many vehicles have a rearview mirror that is held in place by a spring clip that detaches the mirror when the air bag is deployed. To use this tool, place it under the bottom edge of the rearview mirror where it attaches to the bracket and push the tool toward the glass. This motion will pry the mirror up and off of the bracket. Made in the USA.

GK1152 • 3-Pocket Tool Holder/Glaziers Pouch

The perfect way to carry your rearview mirror tools, glass cutters and a variety of tools. These small tool pouches have been around the industry for years. It is made of top grain leather, nylon stitched and reinforced with rivets. They are a quality product that will last for years. The loop belt attachment will fit belts up to 2" wide. Tools not included.

RVR240 • Rearview Mirror Assembly Tool

Invented by: David Hinton

This tool will pay for itself in one use because most rearview mirrors are tremendously expensive. Many rearview mirrors are designed to come off of the mounting bracket when hit by the air bag. Because of the way they are made, many manufacturers tell you to just grab the mirror and pull it off because there is no way to get anything under it that is strong enough to pry it off. This works well most of the time, but occasionally you have a stubborn rearview mirror that is difficult to remove. Sometimes you actually pull the head off trying to get the rearview mirror to release from the bracket. With our Rearview Mirror Assembly Tool, you can put them back together in seconds, and because of the design, you can crimp the metal back around the ball so it is as good as or better than new.

RMI309 • Rearview Mirror Installer

Install spring-loaded rearview mirrors with ease.

Invented by: Douglas Buckley

Since their introduction, more and more innovations have come about because of air bags. One of those innovations is the spring-loaded rearview mirror, which is designed to detach from the windshield when hit by the air bag. Our Rearview Mirror Installer makes re-installing the mirror easy. In fact, after you have purchased one of these tools you will look forward to your next spring-loaded rearview mirror installation. No longer will you have to force the rearview mirror on and risk breaking the windshield. Just set the upper jaw against the rearview mirror, put the lower jaw against the mounting bracket and squeeze the handles. The mirror is forced quickly and easily onto the mounting bracket with little or no chance of breaking the glass.

Mirror Buttons Application Chart

Part #	Application	NAGS® Reference
700002	Chrysler, Ford, GM (<1986)	DW848 / 952 / 1027 / 1141 / 1285 / 1321
700006	GM	Universal
700014	Ford (Conventional)	DW1099 / 1169 / 1170 / 1256
700023	Audi / VW	FW805

RF1700 • RAPIDFIX®

Dual Adhesive System

The RapidFix® combination of an instant adhesive plus a welding powder is an incredible tool that repairs almost anything. The adhesive is an advanced polymer adhesive that can quickly - sometimes instantly - bond most materials to themselves or another material. The welding powder is a complementary formulation that enables even stronger bonds, and can repair holes, cracks, and gaps. For some applications, the welding powder can even function like solder or traditional heat welding. RapidFix® dries clear and areas treated with RapidFix® can be filed, sanded, and painted almost immediately. Comes with one 5ml bottle of adhesive and one 5ml bottle of welding powder.

Scan to Watch RapidFix® Video

KMK630 • Equalizer® KlingOn™ Rearview Mirror Adhesive Kit

Our KlingOn™ Rearview Mirror Adhesive Kit comes with a small brush that is attached to the inside cap of the primer bottle that you can use to apply a small amount of primer. To use KlingOn™, clean the glass and mirror bracket thoroughly. Brush the primer on the glass where the bracket will be installed and then brush the primer on the mirror bracket. Let the primer dry then apply two drops of the adhesive to the bracket. When you are ready to install the rearview mirror bracket, be careful to place it exactly where you want it. TIP: Most technicians mark on the outside of the glass to guide correct placement of the bracket since removal can be almost impossible after you have attached it. Be sure and wait 3-4 minutes before installing the rearview mirror back onto the bracket. Each KlingOn™ Rearview Mirror Adhesive Kit comes with one .5 Fluid Oz. Bottle of Rearview Mirror Adhesive and one .5 Fluid Oz. Bottle of Primer which can complete up to 200 mounts. All in a box that has punchouts for use as a bottle holder. Made in the USA.

3325 • Loctite® Rearview Mirror Adhesive

An industry standard for more than 40 years. To use Loctite®, you clean the glass thoroughly and then spray a generous amount of Minute Bond Primer on a clean mirror bracket. Spray the glass where the bracket will be installed, let the primer dry and apply two drops of Loctite® Minute Bond Adhesive to the bracket. Position the bracket carefully on the glass and you are ready to install the rearview mirror. Be careful to place the mirror button exactly where you want it because removal can be almost impossible. Most technicians mark a place on the outside of the glass for correct placement. Kit contains .80 fluid ounces of Minute Bond Adhesive and 6 ounces of Minute Bond Primer.

Includes these two items

3346 • Loctite® Rearview Mirror Adhesive

Economy Package

Contains .20 fluid ounces of Minute Bond Adhesive and 1.33 fluid ounces of Minute Bond Primer.

AA1003 • Zap-A-Gap™

These days there seem to be more plastic parts on a vehicle than there are metal parts. It is inevitable that when removing parts to replace a glass, you will break some of these pieces of plastic. Often the broken part will need to be replaced, but you can make a temporary repair by gluing it back together. Simply put a small drop of Zap-A-Gap™ on the plastic parts and press them back together. In a few seconds, the glue is dry and the pieces are bonded. Bottle contains 0.5 fluid ounces.

0.5 Fl Oz.

AB1005 • Zip Kicker™

An accelerating, sprayable liquid that causes Zap-A-Gap™ to dry immediately. Zap-A-Gap™ can be used to fill small gaps and then dried immediately with Zip Kicker™ to form an instant patch. Bottle contains 2 fluid ounces. Made in the USA.

2 Fl Oz.

AH1011 • Z-Poxy™

Quick setting epoxy sets up in 5 minutes.

Z-Poxy™ is specially formulated to bond plastic, metals, wood, fiberglass, etc. It produces a tough permanent bond in just 5 minutes. It is resistant to shock and solvents, is non-shrinking, and has excellent gap-filling characteristics. Perfect when you need to glue something together, but need a glue that is thicker than Zap-A-Gap™ and does not set-up immediately. Each box contains one 2 fluid ounce bottle of hardener and one 2 fluid ounce bottle of resin. Made in the USA.

Rain & Light Sensors

All sensors come with adhesive pre-applied and all kits contain a primer capsule to prime the glass before applying the sensor (if needed). Easy to follow installation instructions are included with each sensor.

Sensor Replacement Pads

Many times you are able to save the sensor, but must replace the pad. All of our sensor pads come with primer and easy to follow directions.

Rain/Light Sensor
BMW 3 Series 02-06, 5 Series, 01-03, 7 Series 02-03, X3 04-, X5 02-06, Mini Cooper 02-07. NAGS® Reference: FW2296, FW2305, FW2306, FW2313, FW2382, FW2383, FW2440, FW2441, FW2456, FW2457, FW2460.
DRS369 • Rain/Light Sensor
NPR407 • Replacement Pad Includes Primer

Pad is clear in color

NPR407

Rain/Light Sensor
Chrysler 300, Dodge Magnum, Charger 05-, Jeep Commander 06-, Grand Cherokee 05-, Mercedes M-Class 01-05. NAGS® Reference: DW1572, DW1592, DW1628, DW1660, FW2255.
JRS400 • Rain/Light Sensor
NPR407 • Replacement Pad Includes Primer

Pad is clear in color

NPR407

Rain/Light Sensor
BMW Roadster, Z4 Conv. 03-, M Coupe Z4 2 dr 06-. NAGS® Reference FW2448, FW2449, FW2483 FW2491, FW2492, FW2544 FW2556, FW2557, FW2675, FW2738.
KRS401 • Rain/Light Sensor
NPR407 • Replacement Pad Includes Primer

Pad is clear in color

NPR407

Rain Sensor
Various BMW and Mercedes Application 96-02, Mercedes G-Class 02-06. NAGS® Reference: FW2039, FW2045, FW2046, FW2047, FW2056, FW2078, FW2101, FW2139, FW2140, FW2141, FW2164, FW2165, FW2169, FW2175, FW2192, FW2194, FW2195, FW2196, FW2197, FW2198, FW2199, FW2200, FW2201, FW2203, FW2204, FW2207, FW2210, FW2211, FW2271, FW2280, FW2309, FW2311, FW2325, FW2336, FW2338, FW2339, FW2469.
GRS390 • Rain Sensor
GRS390PAD • Replacement Pad Includes Primer

Pad is clear in color

GRS390PAD

Light Sensor
Honda Accord Sedan 03-07, Jeep Grand Cherokee 02-04, Kia Sedona 02-05
NAGS® Reference: DW1464, DW1554, FW2274, FW2351
HRS393 • Light Sensor
GRS390PAD • Replacement Pad Includes Primer

Pad is clear in color

GRS390PAD

Rain/Light Sensor
Mercedes C-Class Coupe 04-, C-Class Station Wagon 04-05, CL 01-06, CLK 03-, CLS 06-, E-Class 03-, S-Class 03-07, SL 05-. NAGS® Reference: FW2340, FW2341, FW2342, FW2343, FW2346, FW2347, FW2362, FW2429, FW2447, FW2473, FW2485, FW2486, FW2487, FW2488, FW2495, FW2496, FW2546, FW2547, FW2609, FW2668, FW2720.
FRS377 • Rain/Light Sensor
FRS377PAD • Replacement Pad Includes Primer

Pad is clear in color

FRS377PAD

Light Sensor
Mercedes C-Class 01-03, C-Coupe 02-04. NAGS® Reference: FW2165, FW2271, FW2280.
GSG416 • Light Sensor
GSG416PAD • Replacement Pad Includes Primer

GSG416PAD

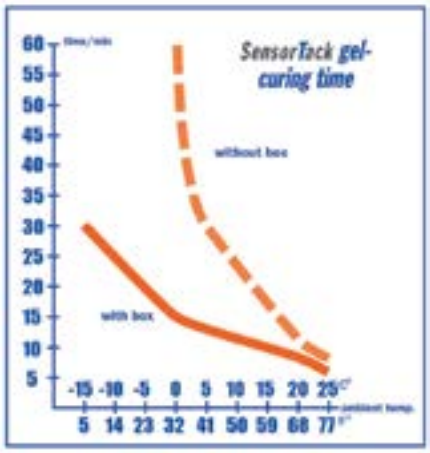
BMW280 • Condensation Sensor
BMW Models: 3 Series (E90), 5 Series (E60), 6 Series (E63/64), 7 Series (E65). NAGS® Reference: FW2555, FW2556, FW2557, FW2448, FW2449, FW2491, FW2492, FW2483, 02544.

CRS363 • Cap For Sensor W/Gel Pack
Cadillac Escalade 07- Chevrolet Avalanche, Pickup, Suburban, Tahoe 07- GMC Pickup, Yukon 07-. NAGS® Reference: DW1659.

Rain/Light Sensor Removal Tools
There are a lot of different rain/light sensors on the market, but with these three removal tools you will be able to remove sensors from most vehicles such as Chrysler, Jeep, Mazda, Mercedes, and BMW. To use our Rain/Light Sensor Removal Tools, remove the windshield and heat the outside of the windshield with a heat gun (see pg. 96). Then fit the tool over the sensor and loosen the adhesive using sideways pressure. After you have replaced the glass, the sensor can then be put back on to the vehicle using a new adhesive pad.
CJM400 • Mercedes
CBM401 • Chrysler, Jeep, Mazda, Mercedes
CMO503 • BMW, Mercedes
CSM504 • Set Of One Each

GEL904 • SensorTack 1 Gel

SensorTack 1 Gel will work on most round type rain and light sensors. By re-using the sensor you can help the customer avoid the expense of a new sensor and still make a good profit by recharging the sensor. SensorTack 1 Gel is easy to handle, easy to apply, highly transparent, emits no gas while curing, is not toxic, does not shrink, and cures in only 6 minutes (when using SensorTack Heating Box -- sold separately). The SensorTack Heating Box is important because the SensorTack 1 Gel will take 60 minutes to cure at 45°F and will not cure at all below 44°F without it.



GHB908 • SensorTack Heating Box

At low temperatures, any two-component silicone products will require additional time to cure effectively. This can create problems for a technician when working in cold temperatures. To accelerate the reaction time of the SensorTack Gels in cold conditions, we have developed the SensorTack Heating Box. It has adjustable feet with a built-in level and operates with the lid closed to prevent contaminates. The targeted heater puts the heat only where it is needed and best of all it only draws 4 watts of 12-Volt electricity.

SensorTack 1 Application Chart

NAGS Number												
DW01446	DW01755	DW01871	FW02289	FW02465	FW02633	FW02687	FW02790	FW02887	FW02954	FW03022	FW03099
DW01448	DW01769	FW02117	FW02352	FW02497	FW02637	FW02691	FW02792	FW02898	FW02956	FW03024	FW03243
DW01573	DW01785	FW02124	FW02356	FW02515	FW02657	FW02695	FW02794	FW02912	FW02960	FW03026	FW03244
DW01578	DW01787	FW02145	FW02357	FW02530	FW02658	FW02709	FW02797	FW02913	FW02961	FW03040	FW03245
DW01585	DW01798	FW02146	FW02363	FW02545	FW02659	FW02725	FW02798	FW02915	FW02979	FW03062	
DW01611	DW01829	FW02241	FW02377	FW02549	FW02661	FW02731	FW02801	FW02918	FW02989	FW03063	
DW01659	DW01845	FW02242	FW02382	FW02550	FW02662	FW02733	FW02806	FW02919	FW02990	FW03064	
DW01720	DW01861	FW02250	FW02383	FW02554	FW02663	FW02757	FW02810	FW02935	FW02992	FW03065	
DW01721	DW01863	FW02251	FW02399	FW02568	FW02665	FW02781	FW02821	FW02936	FW03000	FW03085	
DW01727	DW01866	FW02285	FW02426	FW02575	FW02667	FW02786	FW02839	FW02947	FW03008	FW03097	
DW01748	DW01868	FW02288	FW02427	FW02580	FW02686	FW02787	FW02881	FW02948	FW03021	FW03098	

GEL902 • SensorTack 2 Gel

SensorTack 2 is a two-component, translucent (milky) silicone gel. Used with our unique refill moulds it is the only aftermarket product available that allows for cost-effective repair of the relevant sensor types. The silicone pads are rebuilt in identical form and function and saves you the purchase of expensive new gel sensors, that otherwise are only available from the dealer.

GMA660 • SensorTack 2 Mould A

Reusable mould for use with SensorTack 2 Gel. Works with NAGS numbers listed below. Dimensions: 2.24" x 1.57"

Mould A
2.24" x 1.57"

GMB664 • SensorTack 2 Mould B

Reusable mould for use with SensorTack 2 Gel. Works with NAGS numbers listed below. Dimensions: 2.44" x 1.57"

Mould B
2.44" x 1.57"

GMC667 • SensorTack 2 Mould C

Reusable mould for use with SensorTack 2 Gel. Works with NAGS numbers listed below. Dimensions: 2.64" x 1.57"

Mould C
2.64" x 1.57"

GML670 • SensorTack 2 Lever

Lever to help remove the new sensor pad from the mould once it has set.

GMR669 • SensorTack 2 Release Spray

Spray to release the new sensor pad from the mould once it has set.

SensorTack 2 Application Chart

NAGS Number	Mould
DW01674	GGS MOULD C
DW01766	GGS MOULD C
DW01772	GGS MOULD C
DW01775	GGS MOULD C
DW01777	GGS MOULD C
FW02249	GGS MOULD A
FW02322	GGS MOULD C
FW02324	GGS MOULD B
FW02374	GGS MOULD B
FW02374	GGS MOULD B
FW02404	GGS MOULD C
FW02405	GGS MOULD C

NAGS Number	Mould
FW02408	GGS MOULD A
FW02409	GGS MOULD A
FW02415	GGS MOULD B
FW02417	GGS MOULD B
FW02451	GGS MOULD B
FW02462	GGS MOULD A
FW02524	GGS MOULD B
FW02526	GGS MOULD A
FW02587	GGS MOULD A
FW02613	GGS MOULD A
FW02644	GGS MOULD A
FW02649	GGS MOULD A

NAGS Number	Mould
FW02679	GGS MOULD A
FW02736	GGS MOULD A
FW02765	GGS MOULD B
FW02766	GGS MOULD B
FW02793	GGS MOULD A
FW02796	GGS MOULD A
FW02802	GGS MOULD A
FW02808	GGS MOULD A
FW02809	GGS MOULD A
FW02873	GGS MOULD A
FW02875	GGS MOULD A
FW02884	GGS MOULD A

NAGS Number	Mould
FW02885	GGS MOULD A
FW02928	GGS MOULD C
FW02929	GGS MOULD C
FW02942	GGS MOULD A
FW02943	GGS MOULD A
FW02945	GGS MOULD A
FW02958	GGS MOULD B
FW02965	GGS MOULD A
FW02967	GGS MOULD A
FW02988	GGS MOULD B
FW03011	GGS MOULD A
FW03029	GGS MOULD C

NAGS Number	Mould
FW03030	GGS MOULD C
FW03031	GGS MOULD C
FW03033	GGS MOULD C
FW03035	GGS MOULD C
FW03036	GGS MOULD C
FW03038	GGS MOULD C
FW03090	GGS MOULD A
FW03091	GGS MOULD A
FW03093	GGS MOULD A
FW03094	GGS MOULD A
FW03095	GGS MOULD A
FW03156	GGS MOULD A

NAGS Number	Mould
FW03157	GGS MOULD A
FW03172	GGS MOULD A
FW03174	GGS MOULD A
FW03175	GGS MOULD A
FW03181	GGS MOULD A
FW03182	GGS MOULD A
FW03317	GGS MOULD A

SensorTack Ready Pads

With SensorTack Ready we bring the final solution to the sensor repair market. For virtually all new style rain/light sensors world-wide that cannot be repaired with SensorTack 1 or SensorTack 2 we have developed 'ready-to-go' silicone pads, the first (and only) aftermarket pad that will work on these vehicles. Previously available sensor replacement pads have been made of difficult to handle acrylic, but SensorTack Ready is made of silicone, like the original.

GGS501PAD
GGS502PAD
GGS503PAD
GGS504PAD
GGS505PAD
GGS506PAD
GGS507PAD
GGS601PAD

GGS501PAD

GGS502PAD

GGS503PAD

GGS504PAD

GGS505PAD

GGS506PAD

GGS507PAD

GGS601PAD

Examples of Some of The Ready Pads And The Sensors They Work With

SensorTack Ready Pads Application Chart

NAGS Number	Ready Pads
FW02222	GGS501PAD
FW02354	GGS501PAD
FW02366	GGS501PAD
FW02378	GGS501PAD
FW02379	GGS501PAD
FW02390	GGS501PAD
FW02414	GGS501PAD
FW02472	GGS501PAD
FW02519	GGS501PAD
FW02520	GGS501PAD
FW02534	GGS501PAD
FW02570	GGS501PAD
FW02621	GGS501PAD
FW02622	GGS501PAD
FW02624 (06-07)	GGS501PAD
FW02681	GGS501PAD
FW02688	GGS501PAD
FW02980	GGS501PAD
FW02624 (08-)	GGS502PAD
FW02996	GGS502PAD
FW03299	GGS502PAD
FW02277	GGS503PAD

NAGS Number	Ready Pads
FW02684	GGS504PAD
FW02685	GGS504PAD
FW03053	GGS504PAD
FW03054	GGS504PAD
FW03152	GGS504PAD
FW03153	GGS504PAD
FW03199	GGS504PAD
FW03241	GGS504PAD
FW03270	GGS504PAD
FW03271	GGS504PAD
FW02760	GGS505PAD
FW02762	GGS505PAD
FW02764	GGS505PAD
FW02909	GGS505PAD
FW03116	GGS505PAD
FW03275	GGS505PAD
FW02399	GGS506PAD
FW02530	GGS506PAD
FW02545	GGS506PAD
FW02575	GGS506PAD
FW02580	GGS506PAD
FW02633	GGS506PAD
FW02637	GGS506PAD

NAGS Number	Ready Pads
FW02691	GGS506PAD
FW02725	GGS506PAD
FW02797	GGS506PAD
FW02798	GGS506PAD
FW02806	GGS506PAD
FW02887	GGS506PAD
FW02898	GGS506PAD
FW02912	GGS506PAD
FW02913	GGS506PAD
FW02947	GGS506PAD
FW02948	GGS506PAD
FW03085	GGS506PAD
FW03173	GGS506PAD
FW03195	GGS506PAD
FW03203	GGS506PAD
FW03216	GGS506PAD
FW03285	GGS506PAD
FW03286	GGS506PAD
FW03287	GGS506PAD
FW03288	GGS506PAD
FW03289	GGS506PAD
FW03231	GGS507PAD
FW03232	GGS507PAD

NAGS Number	Ready Pads
FW02408	GGS601PAD
FW02409	GGS601PAD
FW02526	GGS601PAD
FW02587	GGS601PAD
FW02613	GGS601PAD
FW02649	GGS601PAD
FW02679	GGS601PAD
FW02796	GGS601PAD
FW02809	GGS601PAD
FW02875	GGS601PAD
FW02884	GGS601PAD
FW02885	GGS601PAD
FW02942	GGS601PAD
FW02943	GGS601PAD
FW02945	GGS601PAD
FW02965	GGS601PAD
FW02967	GGS601PAD
FW02977	GGS601PAD
FW03002	GGS601PAD
FW03090	GGS601PAD
FW03091	GGS601PAD
FW03174	GGS601PAD
FW03175	GGS601PAD

NAGS Number	Ready Pads
FW03181	GGS601PAD
FW03182	GGS601PAD
FW03186	GGS601PAD
FW03187	GGS601PAD
FW03214	GGS601PAD
FW03215	GGS601PAD
FW03259	GGS601PAD
FW03272	GGS601PAD
FW03273	GGS601PAD
FW03317	GGS601PAD
FW03358	GGS601PAD
FW03359	GGS601PAD
FW03407	GGS601PAD
FW03419	GGS601PAD
FW03444	GGS601PAD
FW03445	GGS601PAD
FW03450	GGS601PAD
FW03475	GGS601PAD
FW03489	GGS601PAD
FW03501	GGS601PAD
FW03503	GGS601PAD
FW03505	GGS601PAD
FW03533	GGS601PAD

NAGS Number	Ready Pads
FW03534	GGS601PAD
FW03535	GGS601PAD
FW03536	GGS601PAD
FW03537	GGS601PAD
FW03538	GGS601PAD
FW03539	GGS601PAD
FW03540	GGS601PAD
FW03618	GGS601PAD
FW03684	GGS601PAD
FW03685	GGS601PAD
FW03686	GGS601PAD
FW03687	GGS601PAD
FW03688	GGS601PAD
FW03689	GGS601PAD
FW03690	GGS601PAD
FW03695	GGS601PAD
FW03696	GGS601PAD
FW03731	GGS601PAD
FW03766	GGS601PAD
FW03857	GGS601PAD

WFA450 • Universal Wiper Puller

This wiper puller has interchangable arms because sometimes you need a wide puller arm to remove a windshield wiper and other times you need a narrow one. To remove most wipers, place the wiper puller arms on the horizontal slide, move them in until they touch the side of the windshield wiper, snug the wing nut to hold them in place and use a wrench or ratchet to tighten the bolt that contacts the wiper nut. Each tool contains two sets of interchangable arms. The entire tool is made of hardened steel to give you years of carefree use.

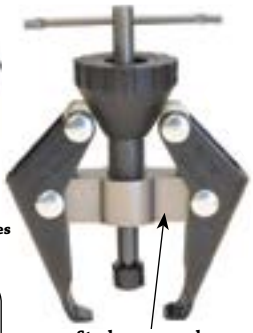
MSP211 • Equalizer® Model Specific Wiper Arm Removal Kit

Equalizer®'s Model Specific Wiper Arm Removal Kit has a different puller for each type of vehicle and the puller contacts as much of the arm as possible to spread the removing pressure out over a large area. One really nice design feature of the kit is the slide-impact hammer. To use it, attach a puller to the handle, slide the impact hammer up and hit the end stop. This is the equivalent to being able to hit the wiper arm from underneath and hammer it off. If the hammering action does not work you can switch over to the pressure spindle, which puts hundreds of pounds of pulling force on the wiper arm. The 6 wiper arm pullers included will fit specific model vehicles such as Alfa-Romeo, Audi, BMW, Citroen, Fiat, Ford, Honda, Jaguar, Mazda, MG-Rover, Mitsubishi, Chevrolet, Peugeot, Renault, Volvo, VW, Mercedes and many others. An enclosed users guide tells you which puller to use on which vehicle. The kit consists of 6 windshield wiper arm pullers, 1 slide hammer, 1 pressure spindle, a users guide listing specific uses for each puller, with all items packaged in a sturdy plastic carrying case.

WP534E • Wiper Puller For Bolted-On Wipers

Because windshield wipers have become larger, wiper arms are pressure-fitted to the posts so they will not slip. They are then secured with a nut to hold the arm in place so they will not lift. Until now, it was almost impossible to remove these wiper arms without breaking or damaging them or scratching the cowl. With the Equalizer® Wiper Puller For Bolted-On Wipers, simply remove the wiper nut, slide the tool over the arm until the jaws touch the wiper post, then turn the T-handle clockwise until the wiper arm pops from the wiper post. Comes with a revolving concave head to keep it from slipping off of the wiper bolt and has a steel joining cross-member for extra strength.

WARNING!
Do not hook the pulling arms under the windshield wiper post. Doing this could cause damage to the tool.



TWR609 • Windshield Wiper Arm Removal Tool

Over the years, many vehicles have adopted the bolt-on design for windshield wipers. Even though they are not large, the wipers can be almost impossible to remove because the wiper arms are made of one type of metal and the post is made of another type of metal. This causes a type of corrosion called galvanic corrosion and it is almost like they are fused together. With our Windshield Wiper Arm Removal Tool, you can place the prongs under the arm (use care not to hook the wiper post) then place the pressure bolt over the head of the windshield wiper bolt and screw the pressure bolt down. Rock the arm up and down and the arm will come off of the bolt. The small compact design fits easily in small spaces. Made of steel with a durable plastic handle.

MKP356 • Equalizer® BigMouth™ Windshield Arm Removal Tool

Invented by: Mike Kendall

This is a heavy-duty version of the TWR609 but with some key differences. This tool has a 1-3/4" opening between the pressure bolt and the prong jaws. This is important when working with many of the newer vehicles that have a deep wiper arm and longer, deeper bolt. The entire assembly is made of steel with the prong jaws and upper bolt support being a 1/4" thick with radiused connection points to eliminate breakage. Because of the design the tool can be used with a wrench or socket so you can put tremendous pressure on the wiper arm.

DWP171 • Deluxe Wiper Arm Puller

This tool has a rubber cover on the handle for a comfortable grip that will prevent scratching and chipping to the wiper arm and each end of the puller is a different size and depth to allow you to use this tool on virtually any vehicle. One end is wide and has a concave lip to work on the older-style wiper post. The narrow end, designed for newer vehicles, has a longer lip that allows you to put pressure on the tip and sides of the wiper arm to easily release the arm from the post without any damage to the vehicle.

WR750 • Windshield Wiper Removal Tool

This tool makes wiper arm removal fast and easy. Simply place the hook under the wiper arm base, squeeze the wiper arm and tool handle together to release the tension on the spring, then lift the wiper arm off. Made in the USA.

BT590 • Clip Removal Tool

Many vehicles have clips that are located deep under the panel. To remove these clips you need a flat tool that will reach under the panel without prying it up. Our BT590 will reach a full 4" under the panel to remove the deepest clips. The other end is 2" deep so you can turn it around to remove normal clips.

SCR696 • Door Upholstery Remover

Removes and saves all types of clips

The front of this tool is tapered so it will fit easily under a clip. Spread the jaws slightly so they will go under and around the clip. Then, close the jaws to remove the clip. Great for removing door panels. Made in the USA.

PDT443 • PryDaddy™

Our PryDaddy™ set contains 11 specially shaped sticks and a hammer for prying, smoothing, spreading, removing, tapping and pushing. This tool set will help you overcome any situation no matter how complicated. Each tool is made of a tough yet flexible, polycarbonate material. Comes in a handy roll up tool pouch.

Set of 12

GBM446 • PryBaby™

Spread it, remove it, pry it, smooth it!

A technician today faces many problems that did not exist a few years ago, such as metal so thin that you can bend it with your fingers, or paint composed of so many layers that it can cost hundreds of dollars to repair a scratch. More and more parts are attached or installed in such a way that removing them requires prying, but what do you pry with? A PryBaby™ of course! Our PryBaby™ set contains 5 specially shaped sticks for prying, smoothing, spreading, and removing. They will help you overcome any situation no matter how complicated. Each tool is made of a tough, flexible, polycarbonate material that makes it almost impossible to break.

Set of 5

CRT250 • Door Panel & Cowling Clip Removal Tools

These tools are made with different size openings that will grab and hold the clip, and different lengths so you can put them far behind the door panel to reach deep-recessed clips. The large curved tool is for removing clips on the front part of the door panel because some door jambs are so close a regular clip removal tool will not work and the V-groove tool will remove those small clips on the cowling. This set is made of the highest quality, heat-treated stainless steel and are fully polished to produce a set of tools that are as beautiful as they are functional.

Set of 5

BMR1488 • Belt Moulding Remover

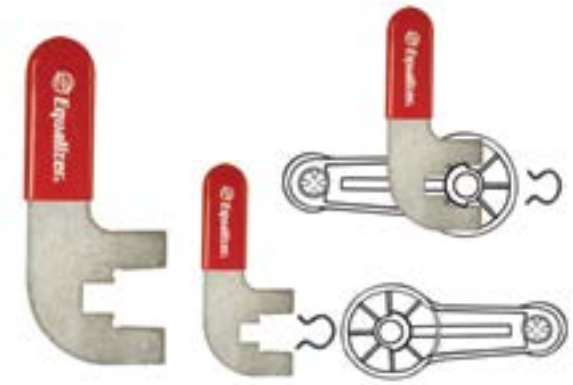
Removing a belt moulding is not something that you do everyday in the auto glass business, but when you must remove one, you have a problem. Most belt mouldings have clips that are slid down from the top and clamp into the metal. The inside of the door panel makes it impossible to pry up on the bottom of the moulding. With our Belt Moulding Remover you can put it down into the door panel from the top until the hook can be placed under the lower edge of the moulding. Then slide the Belt Moulding Remover over until it is against one of the clips and pull up on the handle, repeating the process until all the clips have been removed. Now you have both removed and saved the belt moulding.

CT749 • Window and Door Clip Remover

This remover works on GM, Ford and most common C-clips. It has flared sides to prevent the metal from damaging the door panel. Unique back-end firmly holds the clip for easy installation of the C-clip back into the handle.
Made in the USA.

JCS452 • Compact C-Clip Remover

C-clip removers are an item that every technician has in his toolbox, but those C-clip removers will not always fit into the tight spots and compound curves on some vehicles. The Compact C-Clip Remover has a flat design that will let you use it from all sides. This handy tool is definitely one that no technician should be without.



DUR748 • Door Upholstery Remover

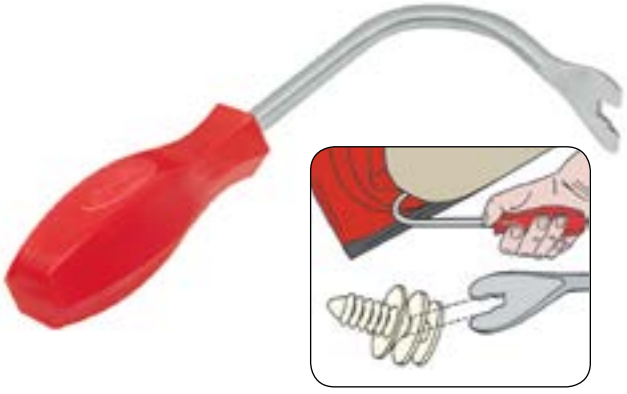
For plastic or metal fasteners

Place the tool under the edge of the door upholstery panel and insert it into the fastener as far as possible, then simply pry up. It is made of hardened steel with a polished finish, and is a rugged tool that will last a lifetime. Crafted with a large, comfortable handle.

PH1355 • Curved Door Upholstery Remover

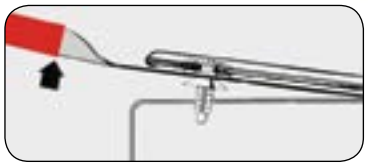
For removing plastic or metal fasteners in confined places

This is the same upholstery remover as the one shown above, but is curved for use on the front part of the door where the door jam will often interfere with the removal of the door panel. Place the notch in the tool over the fastener and pry the fastener out of the hole. It is a rugged tool that will last a lifetime.



DCR244 • Door Panel Removal Tool

Originally, these types of tools were made using a metal that was not very hard and could easily be bent. For this reason, we redesigned it using a much harder metal than the original. Bending is no longer a problem. Made of hardened steel.



Scan to Watch
Slip-N-Slide™ Video

IMPORTANT
Some models may require the use of 2 tools at once

SNS675 • Slip-N-Slide™

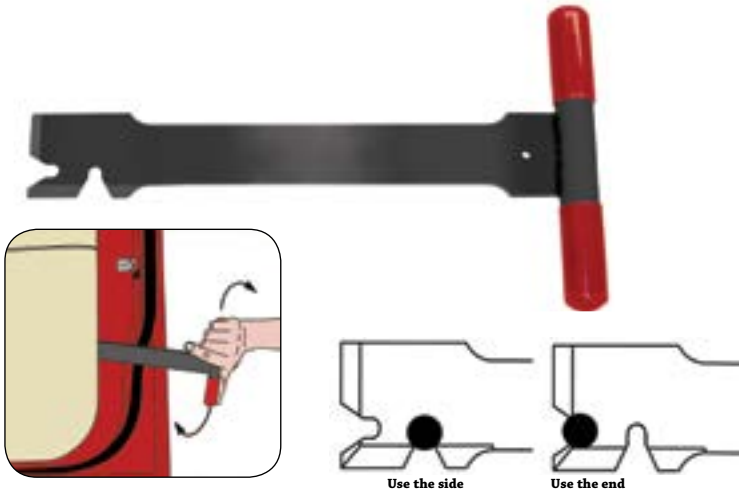
Tab Retractor Tool

Invented By: Duane Roser

Removes door glass safely and effectively on select 2009 (and up) Dodge, GM, Chrysler, Ford, & Jeep vehicles. Just slide the tool between the window glass and the outer belt moulding and align the notch with the window tab. Apply firm pressure, wiggle the tool until the tab pushes back and the glass can be removed. Made of heavy-duty, yet flexible plastic that can be bowed in either direction to accomodate all types of removal situations.

AP6205 • Springer Clip Removal Tool

The distinct precision curvature of the Springer Clip Removal Tool provides a variable load distribution, safely moving the load point along the tool as more leverage is applied. The tapered tip allows entry under closely fitted parts and the rounded edges avoid damage to the trim or vehicle. No matter whether you are an auto glass shop or a body shop you will be amazed at all its uses.



TRL350 • Door Panel Clip Removal Tool

Sometimes clips are so far back from the edge of a vehicle door that prying them up can be a challenge. With our Door Panel Clip Removal Tool's twist-and-remove design, these encounters will no longer slow you down. Simply slide the tool between the metal door skin and the door panel, engage the clip in the grooved head, twist the handle, and pop the clip loose. The leading edges of our clip removal tool are tapered very thin so the tool will easily slide under a clip and prevent damage. The working length of the tool is 10-3/4" long with overall length of 11-1/2". It is made of hardened steel and powder-coated to prevent damage to painted surfaces.

CZ444 • Clip-Zip® Clip Removal Tool

This tool makes the frustrating job of clip removal simple! Remove door panel clips and interior moulding clips with ease. Simply slide the jaws of the tool under the head of the clip and squeeze down on the handle. The outside portion lies against the body while the inside portion grabs the clip firmly so it can be lifted up without damaging the panel. Made in the USA.

GCC506 • Equalizer® Long Glass Run Channel Cleaner

Invented by: Jim Pfeifer

If you have ever cleaned glass out of a glass run channel, you know the problem. Broken pieces of tempered glass will hide behind the lip of the glass run channel and scrape the door glass when you roll it up or down. Our Long Glass Run Channel Cleaner reaches behind that lip to remove even the most stubbornly-wedged pieces of glass that are almost impossible to get out with a screwdriver. The tools rounded tip was designed to prevent damage to the weatherstripping and is 24" long to reach the bottom of the deepest door.

RS1389 • Equalizer® Short Glass Run Channel Cleaner

Invented by: Jim Pfeifer

Not long after we started selling the Equalizer® Long Glass Run Channel Cleaner, people started asking us for a shorter version. The longer version works great when you need to go down deep inside doors, but sometimes you need to clean glass out of the upper channel. Our Short Glass Run Channel Cleaner is perfect for this and measures only 13" long (overall length including handle) with the exposed metal area measuring 8-3/4" long.

RGD188 • SabreTOOTH™ Tempered Glass Removal Tool

Invented by: John Hutzel

Broken tempered glass can become lodged behind the impact bar on the inside of a door. If it is not removed the repeated opening and closing of a door can cause that glass to put dents in the skin of the door from the inside out. When this happens you are probably going to pay for the door to be repaired. Our SabreTOOTH™ is the perfect answer for removing broken tempered glass. Designed with deep notches that will capture broken glass and pull it out from where it's lodged. If the deep notches cannot pull out the broken glass, then the smaller notches will break it up into smaller pieces causing the glass to fall out and those pieces can easily be vacuumed up. The SabreTOOTH™ can even contour to fit down into the water drain that is past the bottom of the door on many vehicles. It is made of very flexible stainless steel so it will conform to the inside of any door. It measures 22" long and has a Neoprene handle.

WMA222 • FANG™ Tempered Glass Removal Tool

Invented by: John Hutzel

It has always been difficult to remove broken tempered glass from inside a door. Doors are now more curved than ever and a rigid tool will not contour to reach difficult areas inside the doors. Broken tempered glass will lodge in the channel felt, behind the impact bars, in locks, and in the drain areas of the door. Each place can cause a specific set of problems. Our Tempered Glass Removal Tool is made of spring steel wire. It will flex to fit the contour of the door and reach into the most difficult areas to remove glass. Two prongs give you two chances to grab the glass and pull it to an area where it can be removed. The total length of the tool is 19" long and the spring steel part is 14-3/4" long. Made of two pieces of spring steel with a high-impact plastic handle.

DZ623 • MultiSpanner™

Invented by: Douglas Zeitz

Our MultiSpanner™ is made of a sturdy steel block and has five different sizes and configurations of pins. It will fit all the retaining nuts shown above and several that are not shown. The MultiSpanner™ is designed to use a 1/4" socket wrench with an extension.

Typical retaining nuts

ASW576 • Adjustable Retaining Nut Removal Tool

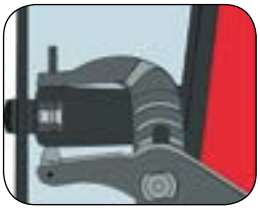
Also called a spanner wrench

Most sizes of retaining nuts can be removed with this tool. Because of its unique design, it can be brought close together or set wide to fit a variety of different size retaining nuts. Its wide range of adjustments even allows it to remove some of the three and four-hole foreign retaining nuts. Made of hardened steel, it is a quality tool that will last a lifetime.

LSW583 • Window Retaining Nut Removal Tool

This tool is used on Ford, GM and Chrysler vehicles. Removing these nuts can be almost impossible without the proper tool, but the Window Retaining Nut Removal Tool makes it easy. The slide-through handle allows you to work in confined spaces when you must remove a glass that is not broken. Made of steel and "gold" plated to prevent rusting.

Patent No. 5647112



PRT305 • Friction Pin Tool

Remove/replace swing or pop-out latch friction pins.

Invented by: Blaine Neste

Every Auto Glass Technician faces the problem of how to remove the latch friction pin from "swing or pop-out" windows without breaking the latch. This tool is the answer. Its jaws have five adjustable settings that will fit any swing or pop-out window latch. To remove the latch friction pin, open the jaws wide enough for the push pin to engage and push out the latch friction pin. To replace the pin, rotate the push pin around until it is upside down. Use the indention in the bottom of the push pin to hold the latch friction pin in place. Then squeeze the friction pin into the latch.

WH745 • Window Holders

Hold up the door glass while you work on the channel or regulator. Loop the cable over the door frame and attach the suction cups to each side of the glass. Made in the USA.

Package of 2

MD1280 • Universal Bottom Channel Attachments

Original parts are difficult, and sometimes impossible to purchase when you are repairing a door glass. These are the times technicians must get a little innovative to repair the glass. For this reason, shop owners keep a few sets of these Universal Bottom Channel Attachments in their shop or toolbox. These attachments have a small nylon screw that will temporarily hold them in position while the adhesive cures and permanently attaches them to the glass. We suggest attaching them with a quick-setting urethane or epoxy. Our Fast Cure Epoxy (shown below) was designed for this purpose.

Set of 2

75644 • Sealstrip

Sealstrip is used to attach a bottom channel to a glass or to form a bond between a metal frame and a glass. It is made of a black, all-rubber compound. Sealstrip has inherent adhesive qualities and conforms to all irregularities, making a perfect seal. By using a razor blade to trim the edges, a neat bonding seal can be seen between the glass and the channel or frame. Since it has adhesive qualities it can be attached to itself. If you need a thicker piece just layer two or more pieces together. Measures 1/32" Thick, 1-1/2" Wide.

100' Roll

21426 • Loctite® Fast-Cure Epoxy

In self-contained mixer cups

Loctite® has a reputation for making quality and innovative products and these epoxy mixer cups are no exception. Packaged neatly in a can that contains 10 mixer cups along with stirring sticks to mix the epoxy. Each mixer cup is a self-contained portion with one part of the epoxy around the outside and another part in the center. The cups are sealed to keep the two parts separated. When you need the epoxy, remove the top seal from the cup and push the cup downward to form a mixing bowl. Stir the two parts together and they will start curing in about 5 minutes.

RW1393 • Window Things

Install door glasses the easy way.

With Window Things you can virtually retire your rivet gun and eliminate the possibility of breaking glass during installation. Window Things fit most Ford, Chrysler and GM vehicles. No need for snap-through, screw-type retainers. They are made of Zytel® nylon and tested in extreme heat and cold. Simply snap through holes in the glass, line up the channel and insert the screw.

Package of 50

DPO585 • Rivet Stem Remover

Invented by: David LaPoint

It is often necessary to remove door glasses without breaking them. Drilling out the rivet so you can remove the door glass is easy, if you can remove the rivet stem. Rivet stems are made of steel and are impossible to drill out. Our Rivet Stem Remover has a contoured end so it will sit over the rivet and align perfectly with the rivet stem. You then strike the end of the Rivet Stem Remover with several light taps of a hammer and the rivet stem is driven out. The unique design allows a metal-to-metal-to-metal contact (hammer to stem remover to stem).

No Hammer Required!!!

AEP1132 • EasyPunch™

Not For Use On Steel Rivets

When removing door glasses that are held in place by pop rivets you must drill the rivets out. Before you can drill the rivets out, you need to remove the rivet stems. EasyPunch™ makes that task fast and easy by delivering metal-to-metal-to-metal contact with no hammer. The stem is removed by the hammering device inside the EasyPunch™, which is delivered with a simple push on the handle. When depressed a 1/2", the spring-loaded punch releases, delivering enough force on the rivet stem that it begins to back out. After a quick series of punches, the stem is removed and you can begin to drill. EasyPunch™ eliminates the hammering inside door panels, which can break a door glass or lead to alignment problems when installing. EasyPunch™ is also ideal for removing mouldings secured by rivets, where a slip or miss with a standard punch can lead to body damage.

Auto Glass University

POWERED BY Equalizer

Class Scheduling & Administration
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Scholarship Opportunities Available
www.equalizer.com/agu/scholarships.html

Sponsorship Opportunities Available
www.equalizer.com/agu/sponsors.html

ERT470 • Equalizer® Pop Rivet Setting Tool

A reasonable price and lots of extras

This pop rivet setting tool comes with the two most commonly used sizing nuts and also has another three sizes for anything else you might encounter for a total of 5 different sizing nuts. The nosepiece is 5-1/2" long to reach deep inside any door. It features a small plastic bottle between the handles that catches the shank of the pop rivet so they are not laying around on the floor and damaging tires. It comes with an extra pair of jaws (that pull the rivet) and a wrench to change the sizing nuts.

HR822 • Diameter 1/4" Grip Range Max. 9/64"

HR823 • Diameter 1/4" Grip Range Max. 5/8"

HR822 • Box of 100 Short Rivets • For installing regulators and door handles

HR823 • Box of 100 Long Rivets • For installing door glasses

Pointing at 90° angle

Twist head

Pointing forward

DO1097 • Twistable Head Pop Rivet Tool

Unique twistable head rotates 90° to point forward.

Manufacturers put rivets in places that are almost inaccessible. Our Twistable Head Pop Rivet Tool will help install these problem rivets. No matter what direction the head is pointing, the rivet tool still works, thanks to a unique head that can be rotated all the way around to point in any direction. It has all-steel construction, a comfortable vinyl grip, and an extended nose to get into hard to reach places. It comes with 4 different sizing nuts and a wrench to change them. Each sizing nut allows you to use a different size rivet: 3/32", 1/8", 5/32", 3/16". The handle locks together for easy storage.

RHR584 • Rivet Head Removal Drill Bit

The problem with removing rivets from door glasses is the rivet stem. It is made of steel and must be removed before you can drill out the aluminum. Our Rivet Head Removal Drill Bit tackles the problem in another way; it drills the rivet head off and leaves the steel stem in place. When the rivet head is drilled away you can then push the remaining aluminum shank and the rivet stem out, releasing the rivet. This tool is made of super-hardened steel and has four sharp cutting flutes that will quickly and easily remove the rivet head. Made in the USA.

Equalizer® Installation Sticks

Installation sticks are one of the most versatile tools you can have in your toolbox. Auto Glass Technicians use them to manipulate the urethane and remove door panels. Installation sticks are also helpful when installing rubber gaskets, used to remove mouldings, lift the cowling, and tuck in headliners. Heck, they are even useful to open envelopes, remove staples, scratch your back, and open soda cans. You'll find other resourceful uses that are not listed here once you're an owner of one.
IS742

Chisel-End Installation Sticks

Installation sticks with a chisel point are more versatile than regular installation sticks. Use the rounded tip for all the things you now use a regular installation stick for, and then turn it around and use the chisel-end to scrape excess urethane buildup out of corners where a pinchweld scraper or blade will damage the paint. They are great for removing excess wet urethane that has squeezed out onto the glass or paint from underneath the moulding and for removing the sealer that squeezes out of the rubber around a rubber installation.
ISC741

Custom Installation Sticks

Promote your business with your own installation sticks!
You may never give away a business card again. With our custom printed installation sticks you can have your business information, company logo and even your picture printed in glorious full color on installation sticks to give to your customers. What better way to impress your customers. A few well-placed sticks will remind them who to call when they need a piece of glass. Is there a catch? No, you just pay a one-time set-up fee of $20.00. Pay it once and you will never need to pay it again unless you change something on your artwork. We can use your existing artwork or we can custom make your artwork for you. Each stick has your custom label on one side only. Traditional or Chisel-End Sticks Available.
JD1221 • Standard with Custom Label • Package of 1000
JC750 • Chisel Point with Custom Label • Package of 1000
ICR754 • 500 Standard and 500 Chisel Point with Custom Label • Package of 1000

Use an Installation Stick as your business card and it will never be thrown in the trash!

Installation Stick Handle

Invented by: Marcus Heflin
This tool falls under the category of "Why didn't I think of that!" A tool handle that is hollowed out in such a way that it will allow an installation stick to be slipped inside and fastened with a set screw. When one end of the stick wears out, just switch ends. When the whole stick is worn out, just put in a new stick. Replacement screws available.
ISH691 • Handle Only, Stick Not Included
IWH692 • Handle With Stick

RT752 • Equalizer® Rope Insert Tool

How many times have you rammed a piece of glass in your finger while putting the rope in a rubber gasket or had the rope fall out because it wasn't inserted properly? You will no longer have these problems with the Rope Insert Tool. This handy tool is designed to ease the rope under the lip and set it in the groove of the gasket. Comes with a sturdy 20 foot rope that will reach around the largest rubber gasket. Made in the USA.

Self-Locking Rubber Gasket Tool

Even though the name can be misleading, self-locking gaskets do not lock themselves! They still require you to fold the locking part into place, and our Self-Locking Rubber Gasket Tool is perfect for this. The curved (pigtail) end of the tool is most useful when the self-locking rubber is not very old and still a little stubborn. The straight end works great when the self-locking part goes into place easily. Each end is held in place by a hex screw and therefore easily removable if replacement is needed. Made of cast aluminum with steel ends.

RGL34
RFE39 • Pigtail End Replacement
RFS40 • Straight End Replacement

PT697 • Pigtail Tool For Self-Locking Rubber Gaskets

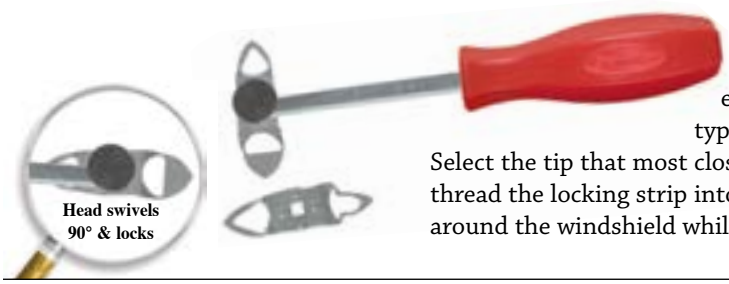
Self-locking rubber gaskets are used extensively on heavy construction equipment. It can be difficult to fold the self-locking rubber into the locking part. Our PT697 solves this problem by working in two ways. First, it rolls the locking part over. Second, the rounded tip on the tool forces the locking part into the receiver side of the rubber gasket.

MQ1292 • Tool For Self-Locking Rubber Gaskets

Many people use a screwdriver or installation stick to push the self-locking part of a rubber gasket into the locking channel. The problem is most screwdrivers have sharp edges and with an installation stick it is difficult to get the pressure you need. The curved polished steel tip of this tool will slide the locking rubber in easily and the ergonomic handle will give you plenty of leverage.

MR1293 • Ball End Tool For Self-Locking Rubber Gaskets

This is the same tool as the MQ1292 (shown above), but instead of the tip coming to a rounded point, it has a small, round steel ball on the end. Once the steel ball is inserted down into the rubber gasket, it is very difficult for it to come out. If it should slip out of the gasket, there is less of a chance you will scratch the paint of the vehicle you are working on.



LS758 • Locking Strip Tool

The unique design of this tool allows the tip to swivel 90° in either direction to work where others will not. Four different type eyelets will fit most rubber locking strips on the market. Select the tip that most closely fits the locking strip. Insert it into the rubber gasket and thread the locking strip into the eyelet of the tool. Then work the Locking Strip Tool around the windshield while feeding the locking strip into the eyelet.

RU1391 • Curved Shaft Locking Strip Tool

Invented by: Tressa Coan

This is the same tool as the LS758 (shown above), but with a curved shaft to keep your hand away from the glass. Like the LS758, you can swivel the tip 90° in either direction. Four different type eyelets will fit most rubber locking strips on the market.

PA1348 • Locking Strip Tool

Our Locking Strip Tool has 6 different size tips that can be changed in seconds by loosening the hex screw. The tips range in size from 3/8" all the way up to 3/4". The 3/4" tip has a 90° angle to give the proper angle on wide, flat-type locking strips. Our Locking Strip Tool even has a roller that can be put in place and used with the different size tips. The roller rolls the locking strip firmly down into place so it will not come out.

LGM207 • Locking Strip Tool

The narrow jaws open the rubber gasket and a small piece of metal rolled under the center part forces the locking strip into place. Works on Ford trucks, Mack trucks, BMW, and recreational vehicles. This tool is made of chrome-plated, hardened steel.

RGC751 • Equalizer® Rubber Gasket Cleaner

Rubber gaskets can be tricky to clean, but Equalizer has solved this problem with our Rubber Gasket Cleaner. To use the gasket cleaner, place the blade in the gasket and pull it toward you. The blade is sharpened on the end and sides so it will clean glass and old sealant out of the gasket with one, easy pulling motion. The unique design keeps your hands clear of the glass.

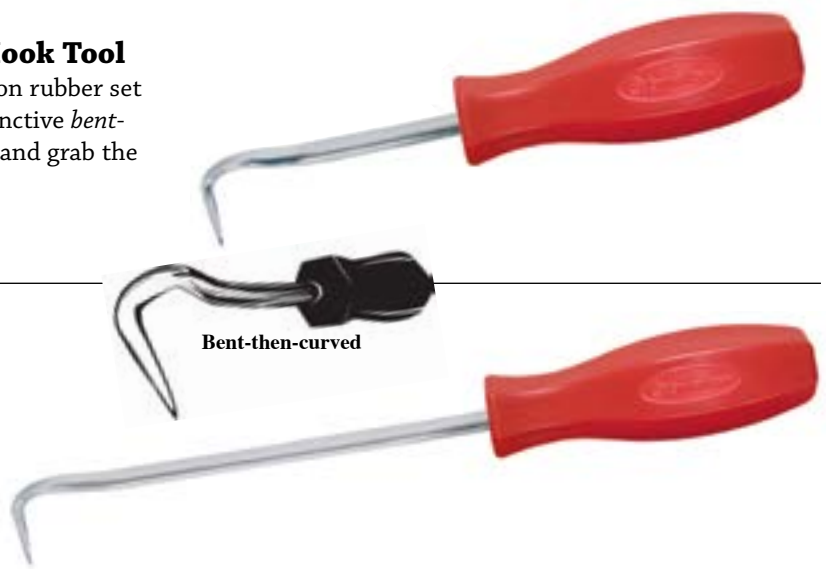
BDA251 • Footloose™

For the vehicles that have large, rubber-set windshields.

With Footloose™, you can push out on the glass with one hand while you release the rubber gasket with the other. To use Footloose™, hook the tip over the pinchweld, push gently outward, and release the rubber gasket. Can also be used on rubber-set back glasses where there is no room for leverage to push them out. Footloose™ puts the necessary pressure on the back glass so you can release the gasket.

RT753 • Equalizer® Double Bend Rubber Hook Tool

Made for pulling the rubber gasket over the pinchweld on rubber set jobs. This tool is made of hardened steel and has a distinctive *bent-then-curved* end that will help reach over the pinchweld and grab the lip of the rubber easily. Made in the USA.



RTL895 • Equalizer® Long Double Bend Rubber Hook Tool

An extended version of the RT753 hook tool. This tool has a 7-1/2" shank, is made of hardened steel and has the same distinctive *bent-then-curved* end that will help reach over the pinchweld and grab the lip of the rubber easily. Made in the USA.

RTS773 • Equalizer® Single Bend Rubber Hook Tool

This is the same tool as our RT753, except it does not have the double bend feature. It is bent in one direction and is normally referred to as a straight bend which indicates there is no side to side curve in the tool. Made in the USA.

MT1295 • Equalizer® Narrow Nose Hook Tool

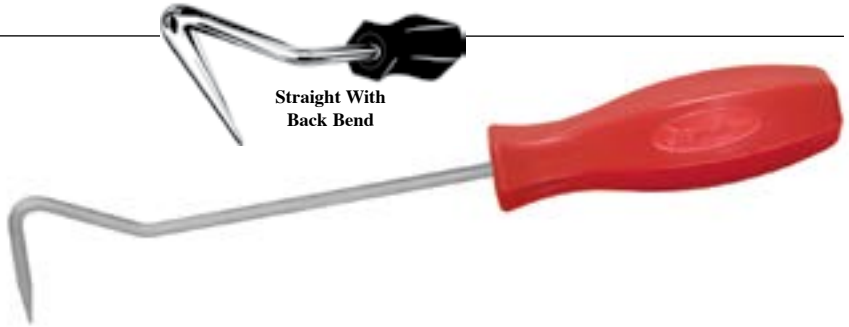
This tool measures only 1/8" thick at the bend and tapers down to 1/16" thick at the tip. Great for reaching past the pinchweld and grabbing the rubber gasket after the glass is almost installed. It is made of hardened steel and chrome-plated.

AHT817 • Straight Rubber Hook Tool

This hook tool has a longer hook section without the *bent-then-curved* feature of a standard hook tool. It has a 1-1/2" hook to reach over any pinchweld and grab the rubber gasket. It is bent only once so it will work equally well in any direction.

AHL818 • Long Rubber Hook Tool

This hook tool measures a long 7" from the curve to the point where it goes into the tool. The hook is 1-1/2" long from curve to tip and is bent in only once so it will work equally well in either direction.



LG1257 • Pattern Making Pencil

Invented by: Claire Obert

When a glass is missing in a piece of heavy equipment, you must make a pattern. Most rubber gaskets have a 5/16" space between the rubber and the pinchweld. When you draw a pattern, you must then cut the glass 5/16" smaller so that it will fit in the rubber gasket. Our Pattern Making Pencil has an aluminum ring that spaces the pencil exactly 5/16" inside the pinchweld and makes a perfect pattern. No more guessing or redrawing the pattern to fit. The shaft of the pencil is made of aluminum with a collet holder that keeps the pencil in place. Clips in your shirt pocket.

Radius Patterns

Invented by: Russ Rutledge

By using these Radius Patterns you can save time and eliminate making cardboard patterns. Use these patterns to determine the radius, then measure the size of the opening. You can call the size and radius information in, and it will be ready for the technician to pick up later. Radius Patterns have 9 circles starting at 1" and increasing in 1/4" increments up to 3". We have found that this will cover the radius size of 99% of the glass in heavy construction equipment. To use, hold the Radius Patterns against the corner until you find the correct size. Check all four corners to be sure the radius is the same. A quick measurement of the opening and you have a pattern. Example: with the rubber gasket removed the opening is 20" by 20" and has a 3" radius. Most rubber gaskets have a 5/16" inset from the pinchweld so you should cut the glass 5/16" smaller all the way around with a 3" radius on the corners. When the glass is cut it measures 19-3/8" by 19-3/8" and has a 3" radius. If the gasket is in place, measure to the bottom of the rubber channel and cut the glass to that size. As an add on to the pattern set, a 6” Radius Pattern is now available seperately.

LY1275

LY1275-6 • 6” Pattern Only

6” Radius Pattern Sold Seperately
Part No. LY1275-6

Grease Pencils

Grease pencils will not damage paint or glass and are the most accepted way to make a temporary mark on them. The mark can easily be removed with a paper towel. A string is imbedded into the paper wrapping. The wrapping is scored every 1/4". To sharpen the pencil just pull the string back and spin the paper off to expose a new piece of the grease pencil.

GPB122 • Black

GPR123 • Red

GPY124 • Yellow

Fletcher Glass Cutters

Fletcher has been in business for over a century. If you have managed to stay in business for that long, then you are doing something right. What Fletcher does is make high-quality glass cutters, and they make them here in the USA.

FT01711 Designer II is the top-of-the-line cutter; if you want the best, this is it. It has a tungsten carbide cutting wheel angled at 140°. It has a wick-fed design for precise dispensing of cutting fluid and a brass ball end for starting the run in the glass. The head of the Designer II can be locked for straight cuts or placed in a swivel position, so it will swivel around a radius cut.

FT01702 Scoremaster II is a glass cutter that dispenses cutting fluid. It has a tungsten carbide cutting wheel angled at 140°, and a brass ball end.

FT01213 and **FT01219** have a long-lasting carbide wheel that is angled at 124°. The FT01213 has a straight end while the FT01219 has a ball end.

FT01111 and **FT01118** are also two of the most used glass cutters in America. Both feature a steel wheel angled at 120°. The FT01111 has a straight end while the FT01118 has a ball end. The FT01826 may be the most used glass cutter in the world. If you walked into every glass shop in America you would probably find one of these in 90% of those shops. It features a steel cutting wheel angled at 130° and has a steel ball end.

FT01711 • Carbide Wheel • Fluid Dispensing • Ball End

Buy them by the dozen and save $$$

FT01702 • Carbide Wheel • Fluid Dispensing • Ball End

FT01219 • Carbide Wheel • Ball End
FT01220 • Carbide Wheel • Ball End • Box of 1 Dozen

FT01213 • Carbide Wheel • Straight End
FT01214 • Carbide Wheel • Straight End • Box of 1 Dozen

FT01118 • Steel Wheel • Ball End
FT01119 • Steel Wheel • Ball End • Box of 1 Dozen

FT01111 • Steel Wheel • Straight End
FT01112 • Steel Wheel • Straight End • Box of 1 Dozen

FT01826 • Steel Wheel • Ball End
FT01827 • Steel Wheel • Ball End • Box of 1 Dozen

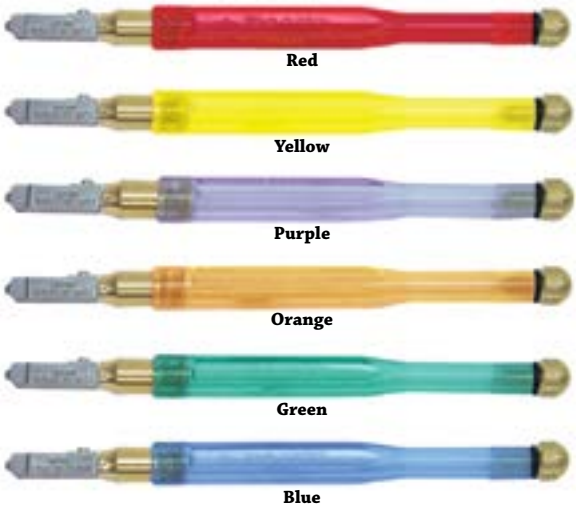
EnviroGOLD™ Glass Cutting Fluid
Extends the life of the cutting blade. It is biodegradable, non-flammable, non-toxic, and non-corrosive.
FT09541 • 4 Oz.

Scan to Watch Glass Cutting Video

3-Pocket Glazier's Glass Cutter/Tool Holder
These small tool pouches have been around the industry for years and are the perfect way to carry your glass cutters or rearview mirror tools. They are made of top-grain leather that is nylon-stitched and reinforced with rivets. Designed with a front loop to hold a tape measure and will fit belts up to 2" wide. Tool Holder only. Cutters not included.
GK1152

Toyo Glass Cutters

When Toyo Glass Cutters were introduced thirty years ago, they were the first in a generation of self-oiling professional glass cutters. They were radically new in design and featured a revolutionary cutting wheel technology developed entirely by Toyo. This technology offered the advantage of a much longer wheel life and a patented oil-feed system for a cleaner score. Over the years, Toyo has improved their designs and today Toyo Glass Cutters comes in six translucent fluorescent colors as well as clear acrylic. Because they are translucent you can see how much oil is in the cutter. Each cutter utilizes an end cap with a seal so the oil will not leak from the end of the cutter. They are of the highest quality and have become one of the most-used glass cutters in the world.



Some people are good at cutting glass and some people are great. If you watch great glass cutters you will soon notice one thing. They won't let anyone else use their glass cutter. You can pick your own color so everyone will know which one is yours.

AF1009 • Your Choice of Color
AX1027 • Box of 6 • Includes One of Each Color
AE1008 • Clear Acrylic Supercutter

AE1008 Original Supercutter

Scan to Watch Glass Cutting Video

Cutting Oil

We also have cutting oil for these cutters. It is an odorless, synthetic lubricant specifically formulated for self-oiling cutters. Non-corrosive and water-soluble for easy cleanup.

AG1010 • 4 Oz.

Oil filler with each glass cutter.

Glass Breaking Pliers

For those of you who are cutting glass or getting ready to start, Equalizer offers both of the most popular glass pliers used in the Auto Glass Industry. Our Straight Jaw Glass Pliers measure 8" long and have a flared jaw that goes from 1/2" at the swivel to 1" at the tip. They are cast from steel and then machined to a smooth finish in all the critical areas. Our Drop Jaw Glass Pliers are more massive, measuring 9" long, and they have a nose that flares from 1/2" at the swivel to 1" at the nose.

AC1006 • Straight Jaw
AD1007 • Drop Jaw

Straight Jaw

Drop Jaw

FT06112 • Fletcher 8 Inch Glass Breaking & Glass Running Pliers

This tools unique design lets you switch the jaws from glass breaking to glass running. The pliers are made of a super-tough reinforced plastic material and will give you years of carefree service. To switch the jaws, place a small screwdriver under the lower rear of the side lock tab and pry up.
Made in the USA.

Cut running pliers

Breaking pliers

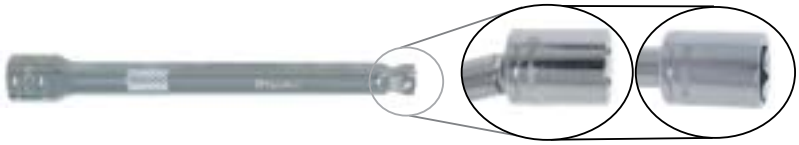
Equalizer® Professional Technician Socket Sets

Made of chrome vanadium steel

Equalizer® Socket Sets are made of the highest-quality chrome vanadium steel and polished to a finish that looks like a mirror. Sockets and wrenches are dynamic drive and, instead of turning the corner off of the bolt head or nut, they press against the flat part, giving the ratchet a greater possibility of tightening or loosening the bolt without stripping the head. They are so well made that we guarantee them for as long as you own them. Each set comes with both standard and deep well sockets. The nut driver has a shaft that extends through the nut driver handle and is made to fit the 1/4" ratchet. Each socket set has a foam-lined carrying case that holds each individual part so you can quickly see if anything is missing.

IMPORTANT LIFETIME WARRANTY!

All extensions are wobble extensions that will swivel 30° so you can get by an obstruction and still tighten a bolt, but if you want to use them as a regular extension just push the socket 1/8" further onto the extension.



All ratchets lock the socket in place so it will not fall off.

PTK324 • Equalizer® 41-Piece Professional Technician Socket Set

Inch and metric sockets in regular and deep well sizes. Set contains the following in a foam-lined plastic carrying case:

Standard sockets - **1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **Metric sockets** - **1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **Deep well sockets** - **1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **Metric deep well sockets** - **1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **Extensions** -**1/4" drive:** 6", 3"; **Nut driver**: 1/4"; **Ratchet** - **1/4" drive; Short ratchet** - for confined spaces.

PTN325 • Equalizer® 66-Piece Professional Technician Socket Set

Inch and metric sockets in regular and deep well sizes. Set contains the following in a foam-lined plastic carrying case:

Standard sockets - **1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 19/32", 5/8", 11/16", 3/4"; **Metric sockets** - **1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Deep well sockets** - **1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 5/8", 11/16", 3/4"; **Metric deep well sockets** - **1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Extensions** -**1/4" drive:** 6", 3"; **3/8" drive:** 6", 3"; **Nut driver** - 1/4"; **Ratchet** - **1/4" drive, 3/8" drive; Short ratchet** for confined spaces - **1/4" drive, 3/8" drive.**

Description	Length	Point Size
Driver	8"	1/4 Magnetic
Phillips Bits	1"	0, 1, 2, 3
Slotted Bits	1"	0, 3, 5, 8, 12
Socket Head Bits	1"	5/64, 3/32, 7/64, 1/8, 9/64
Square Recess Bits	1"	0, 1, 2, 3
TORX® Bits	1"	T10, T15, T20, T25, T30, T40
POZIDRIV®	1"	1, 2
Socket Adapter	1"	1/4
Bit Holder	1-3/4"	1/4

ESS766 • Auto Glass Technician's 29-Piece Screwdriver Set

With this screwdriver set you will never be without the right screwdriver again. The 8" magnetic screwdriver has a steel shank, stainless steel bit holder, and a high-impact solid plastic handle. The set comes in a hard plastic, custom-molded carrying case.

Description	Length	Point Size
Driver	8"	1/4 Magnetic with storage handle
Phillips Bits	1"	0, (3)1, 2, 3
Slotted Bits	1"	0-1, 3-4, 5-6, 8-10
Socket Head Bits	1"	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 1/4 2.5mm, 3mm, 4mm, 5mm, 6mm
Square Recess Bits	1"	0, 1, 2, 3
TORX® Bits	1"	(2)T10, (2)T15, T20, T27, T30, T40
POZIDRIV®	1"	1
Clutch Bit	1"	3
Socket Adapter	1"	1/4
Bit Holder	1-3/4"	1/4

FPC705 • Auto Glass Technician's 40-Piece Screwdriver Set

Everything you need in an easy-to-carry, convenient set. This high-quality screwdriver set comes with Phillips, slotted, Allen, square, Torx®, POZIDRIV® bits, and clutch bits. It also has a socket adapter so you can use 1/4" sockets and a bit holder that can be put in a power drill/driver so you can use all bits in a power tool.

Equalizer® Magnetic Screwdriver

This screwdriver is perfect for reaching deep inside doors or in hard-to-reach areas. Our Magnetic Screwdriver has a steel shaft and stainless steel bit holder. Handle is 1-1/4" in diameter. Comes with one #2 Phillips bit. Made in the USA.

EPB760 • 8 Inch
EPS761 • 11 Inch

Magnetic Screwdriver Shafts

We offer two size shafts that will fit into your screwdriver and let you reach deep into any door to install any screw. Made with a steel shaft and a stainless steel magnetic bit holder.

S767 • 5" Long
S768 • 8" Long

Phillips Insert Bits

EPB762 • Phillips #1
EPB763 • Phillips #2
EPB764 • Phillips #3

EPB762 EPB763 EPB764

AW1026 • Angle Screwdriver

It can be very difficult to remove screws that are under hoods and behind fenders. Our Angle Screwdriver has a thumb brace that allows you to swivel the driver to any angle and use your thumb to keep it from rotating while you remove a screw. Comes with six screwdriver bits: one each #1, #2, #3 Phillips and one each #3, #5, #8 slotted. Made of the highest quality materials to last a lifetime. Made in the USA.

BAS550 • Angle Screwdriver Without Handle

For a power drill/driver

One #2 Phillips screwdriver bit included.

TMT821 • ThreadMate™

Universal Thread Repair Tool

Universal for both inches or metric threads and quickly adjusts from 5/32” to 1/2” (4 mm -13 mm). Automatically traces the existing thread pitch. Repairs right-hand threads with the tool as supplied and simply switch blade position for left-hand threads.

Fold-Up Hex Key Sets

Our hex keys fold up into a compact storage handle that is easy to locate. Made in the USA.

98091 • Inch hex keys have the following sizes: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4". Made in the USA.

98027 • Metric hex keys have the following sizes: 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm. Made in the USA.

98057 • Torx® Key Set

Our Torx® Key Set folds up into a compact storage handle so it is easy to carry in your toolbox or slip into a tool pouch. Comes with the following sizes: T10, T15, T20, T25, T27, T30, T40. Made in the USA.

15557 • 10 Piece Drill Bit Set

High speed steel drill bits

Every technician needs a set of drill bits in his tool box. There is always a screw that needs to be drilled out or a repair that needs to be made involving drilling a hole. With our 10 Piece Drill Bit Set you’ll have a size for every job. This set includes the smallest bit starting at 1/16” and graduates in increments of 1/64” with the largest bit being 1/4”. The drill bits sit in a plastic holder that keeps each drill bit tightly in place.

Torx® T45 & T50 Bits

These bits with 3/8” drive work on the most common size screws used to hold seat belts and some trim panels in place, but can also be used many other places on a vehicle. If you ever do any mechanic work you are aware these are also commonly used on brake calipers, manifolds, seats, and bearing assemblies.

T45
T50
T4550 • Set of One Each

TBS1486 • Super Torx® Bit Set

Ratchet Drive

If windshields were all you installed you would never need most of these Torx® bits, but as technicians we must also install quarter glasses. To install quarter glass it is often necessary to remove seats, interior quarter panels, and even seat belts. Most of these are held in place by a Torx® bit. On very large Torx® bits you cannot get the leverage with a small ratchet, so we offer the Super Torx® Bit Set which has the appropriate size ratchet drive for the bit. Sizes included in the set: T-60 with a 1/2" ratchet drive, T-55, T-50, T-47, T-45, T-40 each with a 3/8" ratchet drive, and T-30, T-27, T-25, T-20, T-15, T-10 each with a 1/4" ratchet drive. Each set comes in a molded, soft plastic container that holds each Torx® bit in place. Made in the USA.

Kit Contents

1 • HP2331 • Three-Drawer Toolbox
1 • CT749 • Window and Door Clip Remover
1 • FR4203 • 1-1/2" Putty Knife
1 • GBM446 • PryBaby™ Tool Set
1 • HTS923 • Hook & Pick Set
2 • IS742 • Standard Windshield Stick
2 • ISC741 • Windshield Stick Chisel End
1 • IWH692 • Windshield Stick With Handle
1 • LS758 • Locking Strip Tool
1 • MB743 • Equalizer® Mirror Bracket Wrench (Torx®)
1 • MBR600 • Equalizer® Mirror Torx® Wrench
1 • MR747 • Moulding Release Tool
1 • PT697 • Weatherstrip Closing Tool
1 • RT753 • Hook Tool
1 • SC170 • Wide Pinchweld Preparation Tool
1 • TPE657 • Cowling Clip Removal Tool
1 • VTP586 • Paint Protector
1 • BNQ271 • Cold Knife
1 • CC50 • 26 to 1 Thrust Ratio Caulking Gun
1 • FCS293 • Equalizer® Quick Knife
1 • TRL350 • Door Panel Clip Removal Tool
1 • UTO539 • Urethane Tube Opener
1 • ALK230 • Adjustable Length Cutting Knife
1 • HM374 • Digital Hygrometer/Thermometer
1 • HRT367 • Hose Removal Pliers
1 • WPL833 • 3/4" W x 6-1/2" L, Pinchweld Prep Tool
1 • JFT323 • Equalizer® LongHorn Seat Release
1 • WFA450 • Universal Wiper Puller
1 • VZB10 • Z Blades Variety Pack (9)
1 • SSC209 • Equalizer® Super Size Vacuum Cups
1 • TW1442 • Equalizer® HEADLIGHTS™ Safety Glasses

ATK658 • Basic Technician Kit

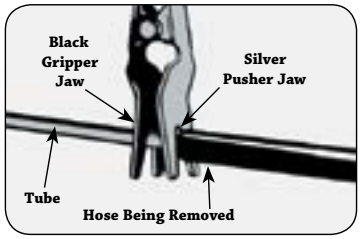
Most people who start training to become an auto glass technician already possess a small set of tools. Usually they have a Phillips and straight screwdriver, wrenches, and hopefully a set of metric and inch size sockets. This kit is intended to build on that set of tools and make it into a set of tools for an Auto Glass Technician. We developed this kit by asking some of the most respected technicians in the country to give their feedback on what should be included in a basic technician kit. There were many variations, but the tools that are included in this kit are the ones mentioned most by those technicians.

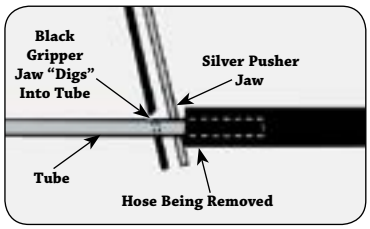
Kit Contents

1 • 98027 • Metric Folding Hex Wrenches
1 • 98057 • Torx® Folding Wrenches
1 • 98091 • Inch Folding Hex Wrenches
1 • BT590 • Door Panel Clip Removal Tool
1 • CK304 • Cold Knife with cover
1 • CT749 • Door Handle Clip Removal Tool
1 • EA665 • Equalizer® Apron
1 • EPS761 • 12" Phillips Screwdriver
1 • ESS766 • 29-Piece Screwdriver Set
1 • FL203 • Flexlight
1 • HGS353 • Equalizer® Heatwave™ Heat Gun
1 • JEB569 • Pinchweld Cleaner
1 • LB779 • The Pumper™
1 • LS758 • Windshield Locking Strip Tool
1 • LSG734 • Safety Gloves
1 • MB744 • Mirror Bracket Wrench
1 • MBR600 • Mirror Torx® Wrench with Phillips
1 • NCT308 • Nozzle Cutter
1 • BFC81 • Blades for cutter (Pkg of 5)
1 • PHT318 • Moulding Hold Hown Tool
1 • PTK324 • Combo Socket Set
1 • RB497 • Razor Blades (sleeve of 100)
1 • RGC751 • Rubber Gasket Cleaner
1 • RMI309 • Rearview Mirror Installer
1 • RT752 • Rope Insert Tool
1 • RT753 • Rubber Hook Tool
1 • SB531 • Equalizer® Prep Tool
1 • SC300 • Super Scraper™
1 • SC301 • Super Scraper™ blades
1 • TCR370 • Toyota/Honda Clip Remover
1 • UKB498 • Utility Knife Blades (Pkg of 100)
1 • USK663 • Swivel Utility Knife
1 • VNT306 • Top Notch™ Tool
1 • FTF399 • Ford Pickup Clip Remover
1 • PDT443 • PryDaddy™ Tool Set
1 • MCA265 • Moulding Maker
1 • JVT193 • Visual Vacuum Cups (Set of 2)
1 • LRR243 • Lexus Rearview Mirror Tool
1 • JMR357 • Spring Latch Rearview Mirror Tool

MTK659 • Master Technician Kit Upgrade

As you gain experience as an auto glass technician you'll want to add on to the basic set of tools you already have and also add some specialty items to your tool box. We developed this kit by asking some of the most respected technicians in the country to give their feedback on what should be included in a master technician kit. There were many variations, but the tools that are included in this kit are the ones mentioned most by those technicians.





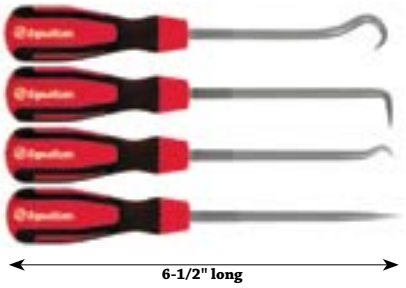
HRT367 • Hose Removal Pliers

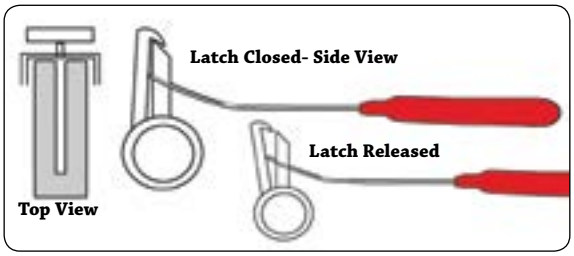
Saving the hose that runs to the windshield wipers can be difficult, especially on older vehicles where the hose is old and brittle. With our Hose Removal Pliers, all you have to do is position the tool against the hose, so the black (gripper) side sits over the metal tube, and squeeze. The hose is pushed off quickly and without damage.

HTS923 • Hook & Pick Set

One of the things most technicians do not have is a good set of fingernails. For that reason it is often difficult for us to get leverage on an item that fits tightly against another. Our Hook & Pick Set comes in four different configurations to help you get under and pry up the smallest items. The straight pick also works great when you are trying to align small holes.

Set of 4

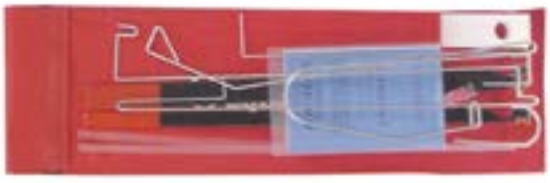




JFT323 • Equalizer® LongHorn Seat Release

Invented by: Calvin Ray Fuller

Some 2004 and newer Ford F-150 pickups have bolted-in back glasses. On these models you must remove the rear seat and mouldings surrounding the glass so that you can remove it. A good rule of thumb any time you are trying to remove a back glass without breaking it (even if it is not bolted in) is to remove the rear seat, mouldings and trim to make it easier to cut the glass out. Most of the work on an F-150 is straightforward, but the rear seat has a hidden latch that must be released before the seat can be removed. Not only is the latch obscured from normal vision, but it's also at a difficult angle to access. Our LongHorn Seat Release Tool is designed to straddle the catch so that the tool will not slip off to one side. You then push the latch back to release the catch and the seat can be removed. Made in the USA.



MK201 • Lock Out Kit

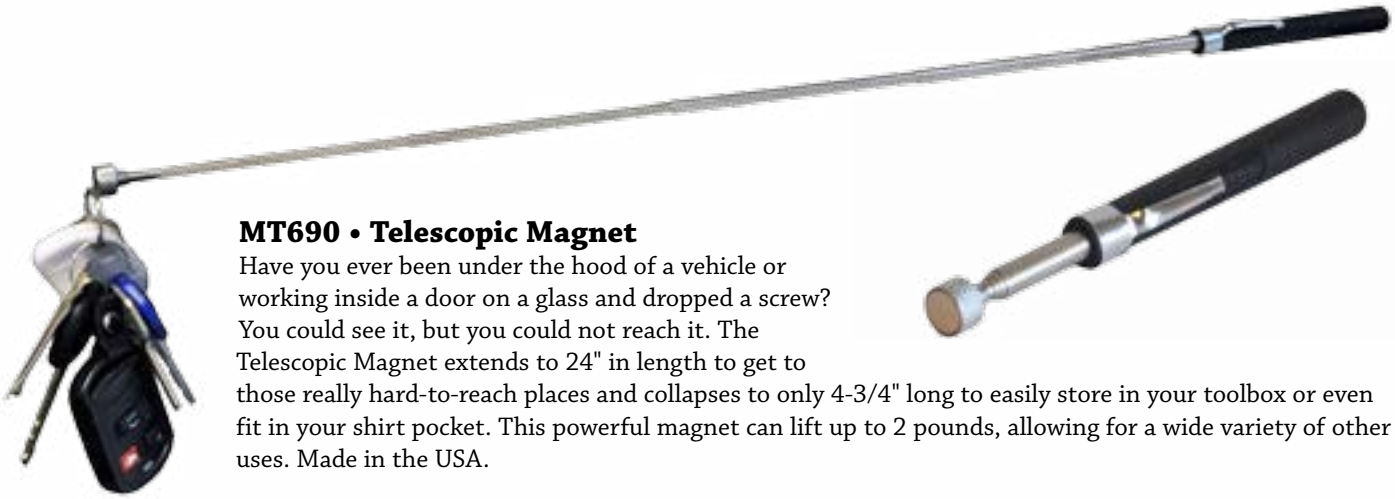
With this kit you can open most vehicles on the market. The kit has been redesigned and improved since it was first introduced in 1975, and is in use in thousands of shops all over the world. Our Lock Out Kit contains: a slide lock button tool, dual release tool, narrow release bar, wide release bar, JapanEASY tool, Wonder Tool, knob grabber, gas cap key, nylon wedge, and an instruction manual. Made in the USA.

HM374 • Digital Pocket Hygrometer/Thermometer

We all know urethane should be cured before a vehicle is driven. Someone's life may depend on the retention of the windshield. Protect yourself and your customer by knowing the temperature and humidity. Set our hygrometer on top of the vehicle you are working on, wait 10 seconds and it will record the temperature and humidity. It has a temperature range from 32°F to 122°F (0° to 50°C) and a hygrometer (humidity) range from 20% to 95% (temperature compensated). Guaranteed reliability. Each hygrometer/thermometer comes with a traceable certificate of calibration. This certificate lists all test information on the unit you are purchasing. Urethane manufacturing companies have charts available that show how long it will take humidity-cured urethanes to cure at certain humidity and temperature levels. This is important so that you can explain accurate, reliable and safe drive-away times to your customer.

NMT448 • Mechanical Pick-Up

Many technicians have a small telescoping magnet in their toolbox, which is a wonderful tool to have when picking up small metal items. However, occasionally you will need to pick up an item that is non-ferrous. Small plastic pieces and many of the metals used in vehicles today are non-ferrous, and a magnet does not attract them. It is times like these when you need our Mechanical Pick-Up. It is designed with steel fingers that are spring-loaded and will grip an item up to 1" in diameter. The closed diameter of the "jaws" is less than 3/8". The Mechanical Pick-Up is 24" long, has a flexible shaft and will reach into the deepest recessed areas to retrieve an item. Also features an LED light for when you need to see in those dark, hard to reach places. Uses 3-LR41 batteries (included).



MT690 • Telescopic Magnet

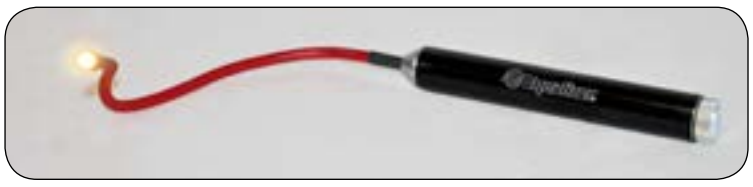
Have you ever been under the hood of a vehicle or working inside a door on a glass and dropped a screw? You could see it, but you could not reach it. The Telescopic Magnet extends to 24" in length to get to those really hard-to-reach places and collapses to only 4-3/4" long to easily store in your toolbox or even fit in your shirt pocket. This powerful magnet can lift up to 2 pounds, allowing for a wide variety of other uses. Made in the USA.

FlexLight

FlexLight has a 9" flexible shaft that stays bent in any direction, even around corners, so you can shine light directly where it is needed. The FlexLight can be used to find lost screws inside doors or under hoods. It may be one of the handiest tools you own. It operates on two AA batteries (not included).

FL203

FLB232 • Bulb And Flexible Shaft Assembly



FlexLight's flexible shaft will stay bent in <u>any</u> direction.

KFE1650 • Insta Etch System

The Insta Etch System is the perfect addition to any glass shop or mobile glass business. This easy to use, downloadable handheld device can be used to produce VIN security marks for customers or etch a company's logo and contact information into the glass. Just print out the stencil from the handheld device, apply activator to the glass, place stencil on the area of the glass to be etched, then using your nitrile gloves apply the acid gel. After allowing 5-7 minutes for the etching process to complete, just remove the stencil and clean the glass. Now you have a professional and durable glass etching, all in less than 10 minutes! This is a profitable add-on service for any technician, and a truly turn-key system for the 21st century installer. Each Insta Etch System Includes: (1)-1650 Series 180dpi downloadable handheld stencil printer with USB cable and CD ROM software, (2)-8 ml activator, (2)-1" wide stencil cartridges (each 10 feet long), (1)-30 ml acid gel bottle, (1)-instant cleaning sponge, and (2)-pair of chemical resistant nitrile gloves. All in a durable plastic carry case. Enough materials to etch over 120 VINs!

Completed Etched VIN

Insta Etch Accessories
KSA862 • 8 ml Activator Spray
KSB863 • 3/4" Wide Stencil Cartridge
KSC864 • 1" Wide Stencil Cartridge
KGA866 • 30 ml Acid Gel Bottle
KGP865 • 3.75 ml Acid Gel Pen (not shown)

THH312 • Telescoping Hood Holder

On many older vehicles it is common to find the hood holder damaged or missing. Body shops are notorious for leaving these off until the vehicle is completely repaired. When this happens, you must find a way to hold the hood up while you remove and replace the cowling. It is at this precise minute that you cannot find a broom, mop, tree limb or anything else to hold the hood up! Put one of these expanding hood holders in your toolbox and you will never have this problem again. Collapses to 20" in length and will expand up to 47" long. Made in the USA.

PJ1257 • Gas Lifter Locking Device

Over a period of time, the gas lifters that hold the hood up on a vehicle can go bad. When you open the hood, the gas lifters will not hold it up. This small, easy-to-use device solves that problem. Raise the hood or lift gate and attach the lock to the metal rod on the gas cylinder. It will stay in place until you are finished with the job. A bright fluorescent flag alerts you that it is still in place when the job is finished.

CO1396 • Can Organizer

Cans are the hardest thing to organize. They roll around, make noise, will not stay in one place, and are generally just annoying to deal with. Mount this unit on the wall of your mobile vehicle and you have the problem solved. Has five slots and is made of heavy duty plastic.

CH1064 • Fractional Measuring Tape

A measuring tape that is easy to read! How many times have you counted the little marks to see if it was 1/4", 3/8" or something else? The fractional measuring tape has every 1/8" marked so if it is between 3/8" and 1/2" it is 7/16". It is 25' long with a 1" wide blade and has the locking hold function. It is made with a polymer-coated blade for long life, and has a durable, textured case for non-slip grip.

SRH707 • Soft Rubber Hammer

Sometimes a little "gentle persuasion" with a hammer is the only way you can make an item fit. Most rubber hammers are actually quite hard and can easily damage a vehicle. Our hammer is made of Sorbothane®, a viscoelastic polymer, that is less likely to damage the vehicle. It is so soft you can take the rubber part between your thumb and forefinger and compress it.

So soft you can squeeze it with your fingers. Try this with a regular rubber hammer.

MPS811 • Olfa® Multi Purpose Scissors

OLFA® 7" serrated edge scissors are designed to cut some of the toughest materials, even Kevlar®. Extra sharp stainless steel blades are sharpened to the tip for precise cutting and the serrated edge helps prevent slippage of the materials being cut. Right or left hand use.

HP2331 • Heavy-Duty 3-Drawer Toolbox

The external shell of this toolbox is made of heavy-duty, high-impact polypropylene resin with molded-in color. It has a large storage area on top and three durable steel drawers with full-extension slides that lock when the lid is closed. It measures 23" wide, 13-1/2" deep and 10-1/2" tall.

Repair Kits

Windshield Repair — Page 136-141

- Kleer-Vu®
- AEGIS®
- Glass Star®
- Deluxe
- Rock Star®

Accessories — Page 142-144

Scratch Removal — Page 145

Defroster Repair — Page 146

Headlight Repair — Page 147

IMPORTANT Additional accessories can be seen on pages 142-144.

WRC483 • Kleer-Vu® Windshield Repair Kit

Repairing windshields can greatly increase the possibility of referrals from insurance companies. If you are currently repairing windshields, or decide to start, then we would like to recommend The Kleer-Vu® Windshield Repair Kit. It is made of the highest quality materials. The injector is machined of stainless steel and has external threads for easy cleaning. It comes with a Users Guide and a DVD to teach you proper use of the repair system. Kit Contains: one vacuum/pressure pump with hose, one bottle of windshield repair resin, one bottle of pit filler resin, one roll of UV tape, one carbide scribe, twenty mylar squares, twenty-five injector tip seals and ten O-rings, vacuum cup lubricant, a 12-Volt UV light, one rechargeable glass drill with charger, ten carbide bits, and a platform assembly.

Kleer Vu® Accessories

Metal Vacuum/Pressure Pump
Vacuum gauge without hose.
RVP476

Mylar Squares
MS492

Platform Assembly
Purchase additional platform assemblies so that you can repair more than one rock chip at a time.
I4830

Vacuum/Pressure Pump Hose
CVH477

Pit Filler Resin
.5 oz. Comes in one-ounce bottle.
RF486

Injector Seal Kit
Comes with twenty-five injector tip seals, and ten "O"-rings.
ISK484

Vacuum Cup
Replacement cup for I4830
KV475

Windshield Repair Resin
.5 oz., Comes in one-ounce bottle.
RRF485

O-Ring Seals
Seals for the injector barrel.
KOR932 • Package of 50

KIT1500 • AEGIS® Advantage Kit

AEGIS® was one of the first companies to introduce windshield repair kits and they have spent the last 35 years perfecting their kits. The AEGIS® Advantage Kit was designed to be the mid-priced kit for the shop that will use it more than occasionally, yet requires a quality, well built product. The Advantage Kit uses the pro series fixture and the dependable, fully gauged pressure/vacuum pump. With its AEGIS® design, and top-quality AEGIS® resins, the Advantage Kit will perform top-quality repairs. This kit contains: one pressure/vacuum pump, one repair fixture, one ultraviolet lamp/flashlight, supply box (filled), Glycerin, Small fixture chamber, 50-Single Shot Crack Filler (enough for 100 repairs), 50-Single Shot Polymer II (enough for 100 repairs), Training manual, and instructional DVD. All packaged in a plastic carrying case.

IMPORTANT Additional accessories can be seen on pages 142-144.

AEGIS® Accessories

Polishing Assembly With 1/4" Shank
Fits any power tool with a 1/4" chuck.
HDW4000

Mylar Squares
HDW3000

3/8" I.D. Fixture Chamber
Standard Pro Series
FIX2005

AEGIS® Polymer
This is a medium viscosity resin that will repair up to 25 breaks. 4 ml bottle.
LIQ2010

Resin Dispensing Pack
Includes six syringes and three needles.
SBX2030

LIQ2060 • Single Shot Resin • Package of 25

AEGIS® Crack Filler
This is a low-viscosity crack filler that will repair up to 25 breaks. 4 ml bottle.
LIQ2015

LIQ2070 • Single Shot Crack Fill • Package of 25

AEGIS® UV Blocking Sun Shade
KIT1044

AEGIS® Pit Polish
LIQ2030

AEGIS® Pit Filler Polymer
This is a high-viscosity pit filler. 2 ml bottle.
LIQ2020

AEGIS® Quad Rings
SBX2010 • 3/8" • Package of 5
SBX2016 • 3/16" • Package of 5

UV528 • Glass Star® Windshield Repair Kit

Windshield repair is a great way to attract repeat customers and is very helpful in achieving insurance referrals. This is one way to show the insurance companies you are a full-service glass company without costing you hundreds or even thousands of dollars. The Glass Star® Windshield Repair Kit contains: two standard injectors, two hoses, one UV curing lamp, four AA batteries, one cure guard, two flow regulators, one carbide probe, eighteen adhesive alignment seals, eighteen pedestals, one bottle UV resin (1/4 oz.), one bottle thin resin (1/4 oz.), one razor blade holder with razor blade, twenty mylar squares, and one bottle of buffing compound to smooth the surface of the repair.

IMPORTANT

Additional accessories can be seen on pages 142-144.

Patent No. 6,074,582

UV24DX • Glass Star® Super Vac Windshield Repair System

The quick-mounting pedestal and resin chamber mount in seconds and are easy to load. There's no mixing, no waste, and never any mess. The patented vacuum injector and dual-action valve evacuate the air with a precise 30" of hg vacuum. Turn the valve on the injector, and it injects a specially formulated, liquid ultraviolet light-cure resin from the pedestal to fill the entire cavity. There is never any guessing. The Glass Star® Super Vac Windshield Repair System contains supplies for 24 repairs. Kit contains: one large injector, one flow regulator, one UV cure guard, one bottle UV quick cure resin (12ml), one UV curing lamp, one lamp adapter to connect lamp to power point, one razor blade and holder, one 12-Volt drill, two drill bits, one bottle pit polish (1/4 oz.), two 30" hoses, one carbide probe, twenty four adhesive alignment seals, twenty four pedestals, twenty four mylar squares, instructional manual, all packaged in a compact carrying case.

Super Vac Re-Supply Pack

This is ideal for use with any Glass Star® repair system that uses the Super Vac injector assembly. Each re-supply pack comes equipped with all the materials you need to complete 24 or 48 repairs, including replacement parts.

The SVR24 kit contains: one bottle (12ml) UV quick resin, one flow regulator, one hose, one bottle pit polish (1/2 oz.), one razor blade, twenty four adhesive alignment seals, twenty four pedestals, twenty four mylar squares, and one user guide.
SVR24 • Performs 24 Repairs

The SVR48 kit contains: one bottle (24ml) UV quick resin, one flow regulator, one hose, one bottle pit polish (1 oz.), one razor blade, forty eight adhesive alignment seals, forty eight pedestals, forty eight mylar squares, and one user guide.
SVR48 • Performs 48 Repairs

IMPORTANT Additional accessories can be seen on pages 142-144.

Glass Star® Accessories

Standard Injector
INJ581

Flow Regulator
FR1

Pedestals
Use only one time and then discard. To use them properly you must have an adhesive pad. First put the adhesive pad over the damaged area, then attach the pedestal to it.
P536 • Package of 25

Hose
30" Section
H538

Large Injector
IBV

Cure Guard
Protects resin from UV light while repair is being made.
CCG349

Adhesive Pads
Disposable pieces of double-faced tape. Pull the tape off and place the pad so the damaged area shows through the hole in the center. Then place the pedestal over the pad so all holes are aligned and the resin will flow into the damaged area.
AS537 • Package of 25

Crack Filling Resin
Thinner than most resins and commonly used when repairing a crack.
CFR383 • .5 Oz

General Purpose Resin
Repairs normal breaks, bull's-eye breaks and acts as a pit filler.
CTR384 • .5 Oz

KWR1491 • Equalizer® Deluxe Windshield Repair Kit

Our Deluxe Windshield Repair Kit is designed with all of the essentials for windshield repair. It comes complete with a high-quality repair bridge system, quality resins, and the right accessories for repairing star and bull's-eye breaks. The experienced Auto Glass Technician will appreciate this kit, but it also caters to the beginner in windshield repair. It assumes you know nothing about windshield repair and walks you through each type of repair from beginning to end with the help of a well written manual, and DVD. It comes with a piece of glass that has assorted breaks so you can practice your repair method. The kit includes: 1 Repair Bridge System, 10 Inner O-Rings, 5 External End Seals, 2 Repair Resin (1/2 oz.), 2 Pit Filler Resin (1/4 oz.), 1 Ultraviolet Light, 100 Single Edge Razor Blades, 1 Dremel Drill and Charger, 5 Drill Bits, 1 Single Point Probe, 5 Pair Nitrile Gloves, 1 Glass Cleaner, 1 Pair Safety Glasses, 1 DVD Instruction Video, 1 Repair Manual/Business Guide, 1 Sheet Pre-Chipped Practice Glass, and enough curing film for 100 or more repairs.

IMPORTANT Additional accessories can be seen on pages 142-144.

Deluxe Windshield Repair Kit Accessories

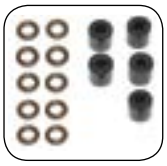
Bridge Assembly
KBA1494

Pit Filler Resin
KPR1493 • 0.34 fl Oz. (10 ml)

Curing Film
KCF1498 • Pkg. 100

Repair Resin
KRR1492 • 15 ml 0.52 fl Oz.

Carbide Drill Bits
KDB1496 • Pkg. 5



End Seals and "O" Rings
5 End Seals & 10 "O" Rings
KOE1495

Single Point Probe
KTP1497

The Equalizer® Rock Star® Repair Systems

Our Rock Star® Repair Systems are designed to achieve three important results: A strong repair, a clear repair, and quick performance. The exclusively designed bridge and stainless steel injector assembly are durable and will last for years. The combination vacuum/pressure design allows for quick and easy alternation between vacuum and pressure cycles. The injector also features a simple one step resin filling port by just simply removing the plunger rod. This vertical filling port feature allows this system to be used on motor homes, buses, and 18-wheelers. While the Rock Star® systems are indeed easy to operate, they still allow flexibility of operation for seasoned professionals who want to 'tweak' the system to achieve amazing results on difficult repairs. The finishing touch is our specially formulated pit resin. It is extremely fast wicking and produces unparalleled optical clarity and strength. It creates a powerful bond to the glass surface, but is easy to scrape off the excess and then polish to perfection with our exclusive non-abrasive pit polish. This all adds up to make the Equalizer® Rock Star® Windshield Repair Systems the choice for fast, quality repairs.

EVH1984 • Equalizer® Rock Star®

Standard Repair System

If you are not sure if windshield repair is for you but want the best system on the market, then start with the Equalizer® Rock Star® Standard Repair System. It has all the essentials for achieving a great repair while leaving out all the bells and whistles of the Deluxe System to make it more affordable. The added bonus is, it comes with the same foam liner as the Deluxe System, so you can always purchase the additonal items as you go along to upgrade your system. Each Standard System includes: Bridge and injector assembly, UV shield, probe, mirror, cleaning brush, mylar squares, battery operated UV curing light, razor blades, vacuum cup lube, .5 oz. thin viscosity resin (10 cps), .5 oz. pit filler, 1 oz. cleaning solution and instructional DVD. All items come in a foam lined impact resistant plastic case. Made in the USA.

ATTENTION

One .5oz. Bottle of Resin Can Complete Up To 50 Repairs! (Based on the recommended 3-5 drops per repair)

IMPORTANT

Additional accessories can be seen on pages 142-144.

EVH5150 • The Equalizer® Rock Star®

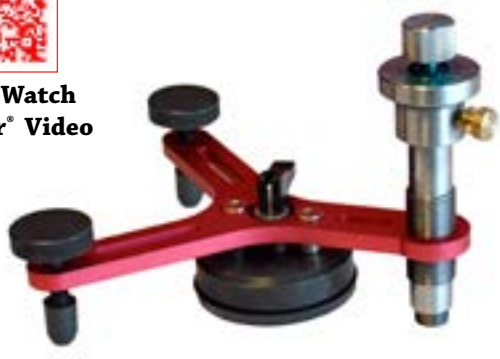
Deluxe Repair System

Each Deluxe System includes: Bridge and injector assembly, large pit adaptor, vertical pit adaptor, UV shield, probe, mirror, cleaning brush, wisk brush, mylar squares, pit tape roll, 12-Volt UV curing light, moisture evaporator, 12-Volt glass drill, LED flashlight, carbide drill bits (5), 100 count box of razor blades, Bull's-eye maker, 'O' ring kit, .5 ounce thin viscosity resin, .5 oz. medium viscosity resin, .5 oz. pit filler, 1 oz. cleaning solution, 1 oz. pit polish, vacuum cup lube and instructional DVD. All items come in a foam lined impact resistant plastic case. Made in the USA.

VBA1443 • Equalizer® Rock Star® Bridge & Injector

If you already own an Equalizer® Rock Star® Repair System, consider purchasing an extra Bridge & Injector Assembly so that you can do multiple repairs at the same time. The injector has a combination vacuum/pressure design that allows for quick and easy alternation between vacuum and pressure cycles. It also features a simple one step resin filling port by just simply removing the plunger rod. The injector is solid stainless steel and the bridge is durable and easy to clean. Made in the USA.

Scan to Watch Rock Star® Video



Windshield Repair Kit Accessories

12-Volt Ultraviolet Lamp
Plugs into your power point with a 20' cord.
IX1215

12-Volt UV Curing Lamp
Cord stretches up to 9' long.
GKT434

UV Light
Includes bulb. Requires four AA batteries (not included).
CLU573

Replacement Bulb
For CLU573 & VUV1447 UV Lights
UF574

Windshield Chip Moisture Evaporator
Used to remove moisture from a break/crack but also works well when you need to warm the glass surrounding the break/crack prior to a repair. Cord measures 7' long.
JDS101

UV Light Converter
Use this converter in place of AA batteries in your CLU573 UV Light. Plug 12-Volt end of converter into the power point of the vehicle you are working on to power unit.
CLC827

UV Curing Light
Also a flashlight.
Includes bulb and four AA batteries.
VUV1447

Rock Star® Injector Assembly
Designed with combination vacuum/pressure that allows for quick and easy alternation between cycles. Features a simple one step resin filling port by just simply removing the plunger rod. Stainless Steel. Made in the USA.
VIA1502

Rock Star® Large Pit Adapters
Sometimes a pit is repairable, but is too large for the normal injector to fully cover the impact point. This is when you need the Large Pit Adapter. It sets onto the end of the injector and forms an airtight seal. The Standard model works on most standard windshield applications. The Vertical model is needed when working on RVs, Buses, & Heavy Equipment.
VPA1503 • Standard
VPA1503X • Standard Threaded
VSPA1504 • Vertical
VSPA1504X • Vertical Threaded

VOR1468 • Rock Star® O-Ring Kit

RB497 • Razor Blades
Box of 100

Carbide Glass Drill Bits
For use in RGD490 drill.
CCB491 • Package of 10

Rechargeable Glass Drill
RGD490

Windshield Repair Kit Accessories

Equalizer® Tinted Crack Repair Resin
This is a thin viscosity formula which produces extremely clear and strong repairs in any climate or repair situation. The added tint helps "disguise" its presence in the crack and adds to visual clairty. It can also be used as a general repair resin.
TRR652 • .5 Oz.
TRO653 • 1 Oz.

Equalizer® Cleaning Solution
Formulated especially to clean the Equalizer® Rock Star® Injector. *Not to be used on vacuum cups.
VCB1454 • 1 Oz.

Equalizer® Acid Free UV Resin
If you are concerned about, or have had the misfortune of developing skin sensitivities to acid-based repair resins you must try our exclusively formulated low-odor, acid free windshield resin. This medium viscosity formula produces extremely clear, strong repairs in any climate or repair situation. Use as a general repair and/or pit filler.
VAF1471 • .5 Oz.
VAL1472 • 1 Oz.

Equalizer® Pit Polish
A non-abrasive pit polish that gives the repair a smoothness and does not produce the scratches that some pit polishes do.
VPO1455 • 2 Oz.

Equalizer® Pit Filler Resin
This is an extremely hard curing resin, creating a powerful bond to the glass surface. It is also easy to scrape off and then polish to perfection with our exclusive, non-abrasive pit polish.
VPF1452 • .5 Oz.
VPL1453 • 1 Oz.

Equalizer® Thin Viscosity Resin
Thin resin (10 cps) is a general use resin for repairs in all climates. It wicks extremely fast and produces unparalleled clarity and strength.
VTR1448 • .5 Oz.
VTL1449 • 1 Oz.

Equalizer® Medium Viscosity Resin
Medium resin (40 cps) is an ideal choice for hot climates and, just like our thin resin, has unparalleled clarity and strength.
VMR1450 • .5 Oz.
VML1451 • 1 Oz.

Equalizer® Cup Lube
Keep the vacuum cups soft, pliable, and looking new for years with regular use of vacuum cup lube. Can also be used on cups for easy adjustment of the bridge assembly or repair mirrors without having to remove and replace units.
AVL209 • 1 Oz.

NEW

Xtra Bond Pre-Treatment
Adhesion Promoter
Xtra Bond Pre-Treament is the first and only adhesion promoter for windshield repair. It will allow windshield repair adhesives to have a greater bond to the windshield glass by etching and priming the surface of the crack. For use as a pre-treatment, before applying your resin of choice.
XB649 • 1 Oz.

NEW

Xtra Bond Additive
Adhesion Promoter
Xtra Bond Additive is a resin additive that prepares the surface to be bonded which increases the adhesive bond of the resin to the glass. To use, add 1 drop additive to 4-5 drops of resin into your injector and mix with a toothpick. Then complete the repair. One bottle will do 60 stone-breaks. Recommended for Star and Combination breaks in the defroster area.
XBA650 • .1 Oz.

NEW

X-Phobic Pre-Treatment
Contaminant Remover and Cleaner
Most breaks and cracks have been exposed to road contaminants, car washes and windshield washer fluids. These contaminants can form a molecular bond to glass which can then block resin from bonding to the glass in a repair situation. As we all know, proper technique is to prepare and clean the glass surface before beginning a repair. Even though we do this, windshield breaks and cracks are sub-surfaced so you must use a chemical in order to remove the contaminants from within. This is where X-Phobic comes in. X-Phobic will remove any contaminant in the break and on the glass. For use as a pre-treatment, before applying your resin of choice.
XP647 • 1 Oz.

NEW

X-Phobic Additive
Contaminant Remover and Cleaner
Rain-X as well as other hydrophobic coatings and contaminants block repair resin from bonding to the glass, making the repair adhesively compromised. X-Phobic Additive is a resin additive that removes all contaminants (such as Rain-X) off of the glass surface and from within the break. To use just add 1 drop to 4-5 drops of resin into your injector and stir with a toothpick. Then complete the repair. One bottle will do 60 stone-breaks.
XPA648 • .1 Oz.

NEW

Rain Resin
Waterproof Windshield Repair Resin
With Rain Resin there is no time consuming job of drying out the breaks with a heat gun or other tools, all of which also require electricity. Now you can just do the repair even in the rain or snow. This waterproof resin will absorb and dissipate water. The more water that is in the break the more resin you use. If it is a small star, or partial bullseye use 4-6 drops. If it is a bullseye or combination break with a large bullseye use 8-10 drops. Use multiple vacuum and pressure cycles and discard any remaining resin as the water absorbing ingredient may be depleted.
RR651 • .7 Oz.

NEW

Rain Proof
Waterproof Additive
Rain Proof is an additive that will make your resin miscible with water (able to be mixed without separating) so you can do repairs with water in the break. Do not let rain or snow interfere with your business and save yourself from the time consuming task of drying out breaks with heating devices that can crack the windshield. Simply add one drop into your injector with three to five drops of your resin of choice and stir and you now have waterproof resin.
RRA654 • .1 Oz.

Windshield Repair Kit Accessories

Bull's-eye Maker
Use this to make a perfect bull's-eye in a glass so that you can practice your repair techniques.
BEM828

Wisk Brush
Great for cleaning debris out of the pit.
VWB1462

Probe
Hardened stainless steel probe with inter-changeable tips for cleaning broken glass out of a bull's-eye break.
VPS1460

LED Flashlight
Produces a powerful white light which will allow you to see what may be overlooked with conventional flashlights.
VFL1463

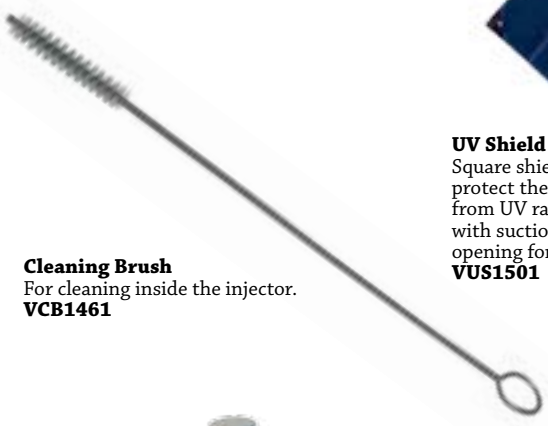
ReFracture™ Tool
Typically, many small "star" breaks, are very tight. Because of this, they do not allow the resin to flow into the break. Solution: After drilling the pit you can "pop" a "bulls-eye" to relax the break, allowing the resin to flow. Our ReFracture Tool makes this process easy. Simply place the bit on the pit, lift the inner plunger, then quickly - but gently, drop the plunger. A perfect "bulls-eye" is the result.
FMB453

Pit Tape Roll
VPT1489

Mylar Curing Sheets
These are used to hold the pit filler resin in place and keep it flat while it cures.
VS1470 • Package of 25
VS1474 • Package of 100

Mirror
VRM1467

UV Shield
Square shield to protect the repair area from UV rays. Measures 15-1/2" with suction cups on each corner and an opening for the bridge and injector assembly.
VUS1501



Cleaning Brush
For cleaning inside the injector.
VCB1461

Glass Drill
This is a 12-Volt variable speed glass drill that will plug into any power point. It has a speed of 13,000 RPM. Cord measures 67" or a little over 5-1/2 ft.
DFG191

Windshield Crack Expander
Long crack repair is a difficult process to learn, but employing the use of our Windshield Crack Expander allows the resin to more easily enter into the crack. Simply attach the device to the inside of the windshield, position the center screw directly over the crack and turn to apply gentle pressure.
WCE435

12-Volt Extension Cord
Measures 10'6" long.
EC740

Carbide Drill Bits
For use in the DFG191 drill.
VCD1464 • Package of 5

KIT1810 • AEGIS® Scratch Removal System

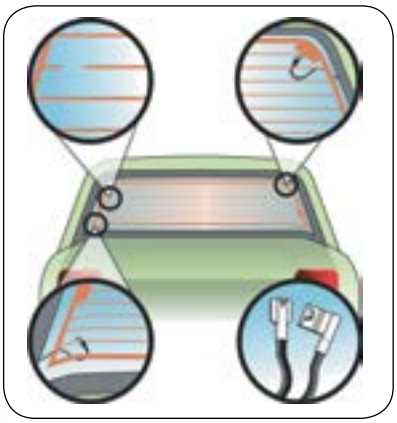
With the AEGIS® scratch removal system, you can remove those scratches and not have to discard scratched glass. It can easily pay for itself with just a couple of scratch removals. The system utilizes polishing discs that have a surface consisting of precisely-shaped, fine-grade cerium oxide "pyramids". As the "pyramid" tops wear down, fresh polishing material is continually exposed. That means a fast, consistent polish rate with distortion-free results. Even deep scratches can disappear in a few short minutes. The multi-speed buffing machine is a 120-Volt buffer, but can also run on either a true sine wave or modified sine wave inverter (inverter must produce 1,500 watts - see pg. 43). Kit contains buffing machine, wax pencil for marking scratch location from inside the vehicle, general purpose backup pad, 50 cerium oxide polishing discs in a protective case, bottle of pre-mixed cerium oxide polishing compound, Velcro™ backup pad/sponge for final polishing, and video user guide, all in a heavy-duty carrying case.

Scratch Removal Accessories

Cerium Oxide Discs
Polishes and leaves glass crystal clear. Use this white cerium oxide disc for a final polish. To begin, wet the surface slightly with a small amount of water. As you polish, the pyramids will break down to form a slurry like solution. The polishing action that occurs will remove scratches left by previous leveling steps.
HDW5510 • Package of 50

Polishing Assembly With 1/4" Shank
Fits any power tool with a 1/4" chuck.
HDW4000

Glass Polishing Compound
Save time and mess when polishing with this premixed cerium oxide solution in a convenient easy pour container.
LIQ5032



IMPORTANT Must be stored in a cool, dry place!

DRK672 • Master Defroster Repair Kit

Repairing a damaged defroster is easy with the proper supplies. Typically solder comes in a small wire form and is difficult to hold in the proper place, but the solder in this kit is in a paste form so it can be put on both the tab and the grid, and then easily melted together. Each kit also contains a special grid repair solution that allows you to reconnect the electrical grid when it has been damaged. And for those times when the electrical connectors on the ends of the wires are damaged, the kit includes several types of replacement connectors. Our Master Defroster Repair Kit comes with everything you need to make dozens of repairs and comes neatly packaged in a compartmentalized plastic box.

Defroster Repair Accessories

TBA674 • Tab Repair Kit (Combined 0.24 Oz.)

TGR677 • Grid Repair .18 Oz.

DRT671 • Tabs Package of 5

TPS676 • Solder Paste .21 Oz.

DRC673 • Connectors Package of 5

IMPORTANT Must be stored in a cool, dry place!

Before

After

RHS388 • Equalizer® Headlamp Restoration Kit

A vehicle with dim, foggy headlamps can be unsafe to drive, sometimes cutting visibility in half. In addition to the safety factor, these cloudy headlamps can just simply be an eyesore. With the new Equalizer® Headlamp Restoration Kit and only minutes worth of work you can make your customer's vehicles safer to drive and easier on the eyes. The process takes as little as 20 minutes and can provide your customers with clean, clear headlamps that will last for years! This kit can restore headlamps on between 35-70 vehicles depending on the severity of the hazing and discoloration. This means the kit will have paid for itself after only 2 or 3 jobs! It can be used in other applications as well, such as convertible top windows, emergency light bars, boat windshields, and other plastic products. The kit comes with a 16 oz. pretreatment, an 8 oz. cleaner, an 8 oz. shine restorer, 1500 grit sandpaper, and 2000 grit sandpaper all in a handy plastic carrying case. You'll definitely get your money's worth (and make money) with the Equalizer® Headlamp Restoration Kit!

Headlamp Restoration Accessories

RRS591 • Shine Restorer
16 Oz.

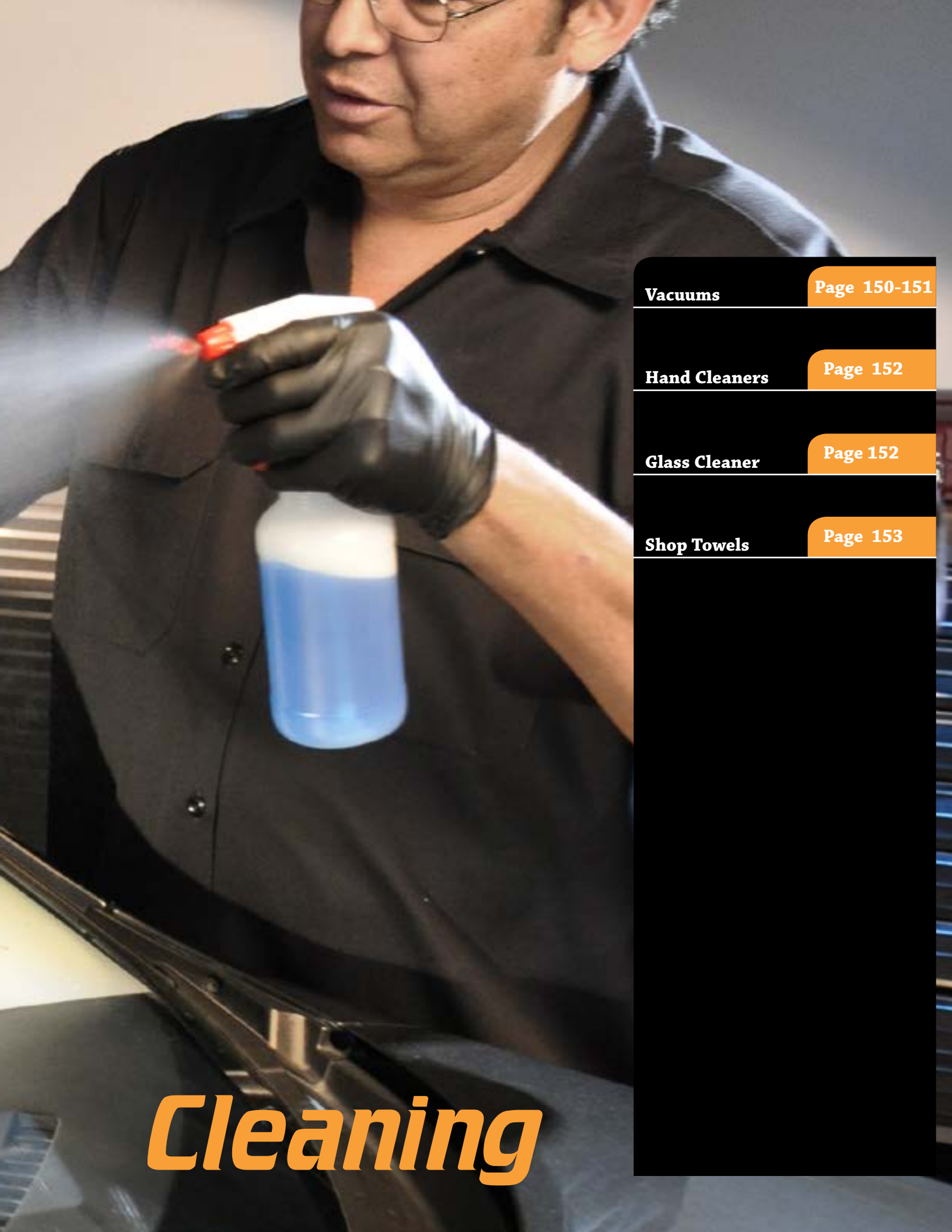
CPC589 • Cleaner / Polish
16 Oz.

DL1093 • Lint Free Wipes
Package of 50

PTW588 • Water Based Pre-Treatment
16 Oz.

TGS593 • Sandpaper, 2000 Grit
Package of 60

CGS592 • Sandpaper, 1500 Grit
Package of 60



Cleaning

Vacuums Page 150-151

Hand Cleaners Page 152

Glass Cleaner Page 152

Shop Towels Page 153

Equalizer® 1 x 1 Vacuum Cleaner

Portable, compact wet/dry vacuum cleaner

In the auto glass industry, a vacuum cleaner is a necesssity, but space in the shop and on a mobile vehicle is precious, so we don't need one that is large and bulky. The perfect fit is our 1 x 1 Vacuum Cleaner - one-horsepower, one-gallon. It includes a wall-mountable bracket and a tool holder that will hold the vacuum and all tools securely in place. No more bouncing around in the back of your mobile vehicle, breaking glass or taking up room in your workspace. It comes with a 4' flexible hose with a round nozzle, a crevice tool, a gulper nozzle, reusable foam sleeve, disposable filter bag, and an 6' long power cord.

BVS925

BFF928 • Filter For BVS925 • Package of 3

IMPORTANT — These vacuum cleaners can be powered by our inverters. See below

Equalizer® 3-Horsepower, 6-Gallon Vacuum

Wet or dry vacuum cleaner

If you replace a lot of tempered door glasses or back glasses, you need a large capacity vacuum with lots of power. You can easily buy a 6-gallon vacuum cleaner in most stores, but most of them are only one or two horsepower. Our 6-Gallon Vacuum Cleaner however, is large and powerful with a 3-horsepower, 8 amp (960 watts) motor, but still small enough that it will not take up a lot of space in your mobile vehicle. Made with a low profile so it will not tip over easily, converts to a blower and comes with an 8' x 1-1/4" hose, two extension wands, a 10" squeegee, and a crevice tool. Also included is a filter that can be easily removed and cleaned. Made in the USA.

BES924

BCF929 • Filter For BES924

CES1475

CEM1476

CEL1477

Inverter Number ↓		
CES1475	No	Yes
CEM1476	Yes	Yes
CEL1477	Yes	Yes

12-Volt DC to 120-Volt AC Inverters

Our Inverters have a 1-year warranty against factory defects. All inverters have automatic thermal protection, extra surge capacity, low input voltage alarm, low battery shut-down, and reverse polarity protection. The CES1475 measures 7-9/16" L x 6-1/4" W x 3" H. The CEM1476 measures 8-3/4" L x 8" W x 3-1/4" H. The CEL1477 measures 10-1/4" L x 9" W x 3" H. Each inverter includes a set of 3' hook-up wires.

CES1475 • 1000 Watt

CEM1476 • 1500 Watt

LT1500 • 3' Long Replacement Hookup Wires for CES1475 & CEM1476

CEL1477 • 2500 Watt

LT2500 • 3' Long Replacement Hookup Wires for CEL1477

Milwaukee Cordless, 2-Gallon Vacuum

This wet/dry vacuum offers long continuous run time with high air power and suction to provide quick and easy removal of dust, debris and water. A washable, reusable wet/dry HEPA filter delivers excellent fine dust collection and does not need to be changed between wet and dry applications. The stackable toolbox design, on-board hose and accessory storage offer excellent portability and convenience. A built-in blower port allows the vacuum to double as a blower, and the 1-1/4" hose allows standard vacuum attachments to be fastened. It includes vacuum, filter, hose, a crevice tool, and a wide nozzle. Uses all Milwaukee 18-Volt slide-on batteries, LI-ION or NiCd. Battery and charger not included.

088020

49901900 • Filter For 088020

TS1440 • DeWalt® Portable Vacuum Cleaner

Runs on either 18V NiCd or 20V Max Li-Ion Batteries

A 2 gallon wet/dry vacuum unlike others because you don't have to change out the filter when switching from wet to dry! After wet vacuuming, just empty the tank through the drain port. To clean the filter, simply remove, wash, and replace. The vacuum is as light as a feather, super-portable, and powerful enough to vacuum glass out of any door. And best of all, use with your existing DeWalt® batteries and chargers. Comes with crevice tool and wide nozzle tool. Battery and charger not included.

DC515K • DeWalt® 18-Volt Vacuum

This DeWalt® 18-Volt Vacuum allows for versatility with its dual clean-up method. You can vacuum using the front utility nozzle in areas of the vehicle such as the seats or floorboards, or remove and use the 30" extendable hose, which is friction fitted into the utility nozzle. The hose is made of a heavy-duty rubber that provides durability and flexibility and is great to use in hard to reach places, such as inside a door when you need to vacuum out glass. This vacuum has a 1/2-gallon capacity and includes a Gore™ HEPA wet/dry filter that traps dust down to 0.3 microns. The best part is that cleanup is a breeze! The container is easy to empty and when the filter becomes dirty, just wash it out and continue using! Comes with 1-18-Volt battery and 1-One hour charger.

PB1349 • Tech-Wipes™

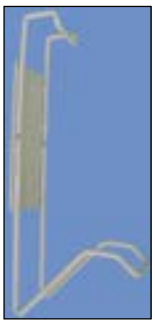
Formulated for the Auto Glass Technician

Tech-Wipes™ are rugged, non-marring towels. They are packaged in a flip-top container that keeps the towels moist for months. Each container comes with 72 towels that are 10" x 12", joined together and perforated so you can tear them off to make a small towel or as large a towel as you need. Contains aloe and has a mild citrus scent.

BR1046 • Scrubs® In-A-Bucket

The mobile, one-step cleaning solution.

Scrubs® In-A-Bucket are pre-moistened, heavy-duty towels with pumice scrubbing power. Their powerful yet safe cleaning agents work together with an absorbent, non-scratch abrasive hand cleaning towel. They work to loosen, dissolve, and absorb grease, dirt, and urethane. The result is hands that are clean and have a pleasant citrus fragrance. After you have used a towel to clean your hands, you can use Scrubs® to degrease tools, toolboxes, equipment, work surfaces, painted surfaces, vinyl, plastics, and metal. Each bucket contains 72 towels that are 10-1/2" x 12-1/4".



SU1423 • ScrubRack

Wall mounting bracket

With this bracket you can mount Scrubs® In-A-Bucket on the wall, on your toolbox, or in the back of your mobile vehicle. Anywhere you mount it, the ScrubRack will hold your bucket of Scrubs® tightly in place. If you want to take it with you, just pull out on the bottom of the bucket and it will quickly and easily snap out of the bracket.

Squeaky Clean™ Concentrated Glass Cleaner

Contains NO Ammonia or Alcohol and SEGC114 Certified

Squeaky Clean™ will leave the glass clean and contaminant free and it's safe to use when bonding auto or insulated glass. It is super-concentrated - only requiring 1 oz. solution per 1 gallon of water. Just add contaminant free water and you are ready to clean any glass.

GCS314 • 8 Oz.

GCQ316 • 32 Oz.

Spray Bottles

The sprayers are made of polypropylene and the bottles are made of high-density polyethylene. The sprayer adjusts to a fine, medium, or hard mist. The small bottle holds 8 ounces and the larger bottle holds 16 ounces.

SBS732 • 8 Oz.
SBL783 • 16 Oz.

DL1093 • Lint-Free Wipes

Years ago we gave very little thought to contamination of the glass or pinchweld. We have learned a lot since then, and today we go to great lengths to prevent a glass from leaking and to make sure it bonds properly. Lint seems like a small problem, but some towels leave a large amount on the glass. Every place there is lint is a place that the glass does not bond. There can be thousands of pieces of lint in an area only an inch or so in diameter, but you only see the larger pieces. Our Lint-Free Wipes get rid of all the lint and give you a totally clean surface so your urethane will bond completely. Each wipe measures 13" x 13".

Package of 50

STR617 • Scott® Shop Towels

There are 55 sheets on each roll.

Most technicians have a paper towel holder in their shop, in their mobile vehicle or attached to their toolbox. For those technicians we offer these 6 packs of shop towels. Each roll contains 55 sheets that measure 11" x 10.4". Scott® Shop Towels work like a cloth and are so strong they can be reused. They are great for cleaning grease, grime, urethane, and primer or any hard to remove stain. Very absorbent.

6 Rolls Per Package

TECH TIP: Cleaning Pinchweld
Use a wet dobber to clean the dirt out from the pinchweld after you have cut the windshield out (before taking the urethane down to 2 mm) then go back over with a dry dobber.

Auto Glass University
ΣΣ ΛΔ
POWERED BY Equalizer®

Equalizer

Protective Equipment

Vehicle — Page 156-158

- Seat Covers
- Steering Wheel Covers
- Floor Mats
- Window Guard
- Paint Protector
- Door Protector
- Dash Protector
- Pinchweld Protection

Personal — Page 158-161

- Leverage Tools
- Safety Glasses
- Safety Gloves
- Kevlar Gloves
- Nitrile Gloves
- Apron

RSP1371 • Reusable Seat Protectors

The Equalizer® reusable seat protector is the ultimate tool for service departments in the automotive industry. Using these seat protectors will reduce your costs and increase your service image, all while creating a lasting impression on your clients. You will also reduce your company's plastic waste and help your company to Go Green! All of this will differentiate you from your competitors and give your clients a reason to talk about your business. The seat protector is made of heavy-duty nylon and double-stitched for durability. It has a pocket on the back to fit over the seat and hold it securely in place for maximum protection.

PX1368 • Slip-N-Grip® Seat Protectors

Replace one seat cover and you have spent enough to pay for a year's supply of these.

Think about some of the vehicles you work on. One drop of urethane or primer on a seat cover and you could lose all the profit you make that day. Urethane and primer can stain a seat cover so badly that there is nothing you can do but replace it. We're not just talking about fabric seat covers; primer can destroy the finish on a leather seat cover also. The contoured and square Slip-N-Grip® Seat Protectors use a unique multi-layer film structure that grips the seating surface, keeping the cover in place and protecting the seat while you work on the vehicle. The smooth top surface allows a technician easy movement when working inside the vehicle. All Slip-N-Grip® Seat Protectors are 100% recyclable.

Box of 250

PY1369 • Slip-N-Grip® Steering Wheel Protectors

Your hands become dirty while you are installing glass. If you stopped and cleaned your hands every time they became dirty, you would spend more time cleaning your hands than you would doing the work. A drop of primer can ruin some steering wheels. A greasy spot on the steering wheel will convince the customer you have done a terrible job. Keep the steering wheel clean with universal-fit Slip-N-Grip® Steering Wheel Protectors.

Box of 250

PZ1370 • Slip-N-Grip® Floor Mats

Made of tough plastic, not paper

An automobile is the second largest investment made by most households. If you treat that automobile like it is not important, chances are the owner will remember how you treated their investment. Show your customers you care by putting down some protective floor mats, and cleaning the floor of the vehicle after you are through installing a glass. Even though they may throw the mats away when they get home, they will remember you considered their automobile important, and become a repeat customer. The same technology used in our Seat Protectors is used in the manufacturing of our Slip-N-Grip® Floor Mats. Unlike paper mats, these plastic mats stay in place, and they do not degrade when they become wet.

Box of 500

WindowGuard™

Clear plastic weather barrier

If replacement glass is not immediately available, WindowGuard™ enables the owner to drive their vehicle while waiting for permanent replacement. Also, if the vehicle needs to be stored outside, WindowGuard™ protects the interior until the glass is installed. The special no-residue adhesive makes WindowGuard™ strong enough for driving speeds, and yet it still peels clean upon removal. No need for tape or messy cleanup! Extra clear material provides good visibility. It's quick, economical, and effective. Made of a clear, flexible, self-adhesive film, WindowGuard™ is perforated every 36" to make installations fast and easy.

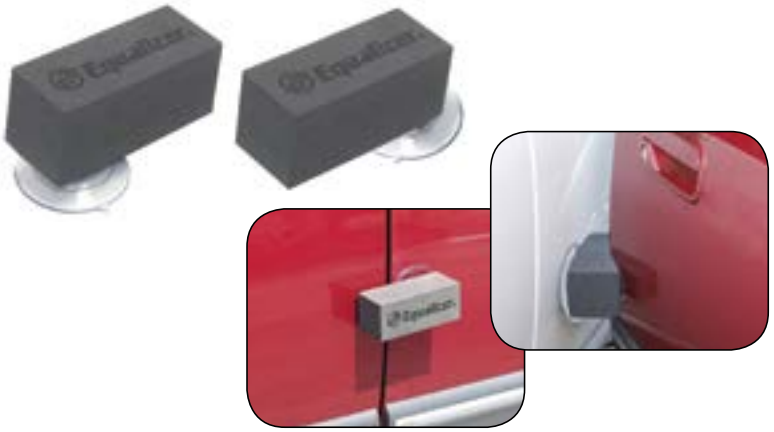
CWS77 • 60' Roll
CWP289 • 99' Roll

VTP586 • Paint Protector

The top of an automobile is a convenient place to put your tools. Many technicians put the vehicle's cowling, screws, and other parts on top of the vehicle when they are replacing the windshield. The problem with lying all these items on a vehicle is the possibility you will scratch the paint. Paint today can be several layers thick and almost impossible to touch-up. Do not wait until you scratch a vehicle. Protect that paint with an Equalizer® Paint Protector that will give you years of carefree use. Made of a thick, soft, soil-proof vinyl. It comes in black to match the color of urethane. Remember what Mom, Dad, or Uncle Earl told you: "An ounce of prevention is worth a pound of cure." Order your ounce of prevention today!

TSP292 • TightSpot™

Invented by: Temoc Reynosa



If you need to work in a small space such as a parking garage or lot where the vehicles are parked close together, you'll need a set of TightSpots™. Installed in the proper position, they will prevent damage to the vehicle being worked on or the one parked next to it. Just stick the vacuum cup on the vehicle you want to protect and you can then keep the doors open while you install the glass. They are made of dense foam rubber on one side and a soft vacuum cup on the other.

Set of 2

Protect-A-Dash™

Invented by: Tim Slaughenhaupt

Many windshields cannot be removed without cutting across the bottom of the windshield from the inside. If you are using wire or a tool with an exposed blade there is always a possibility you could cut or damage the dash. Each side of the flexible Protect-A-Dash™ is made to perform a specific function. The side that goes against the windshield is a slick, tough nylon so the tool or wire will slide easily across the dash protector. It is rounded at the bottom to fit down into the corners of curved dashes. The back side is a non-skid foam pad that both protects the dash and prevents the Protect-A-Dash from slipping out of position. Made in the USA.

CU1077 • 16" x 9-1/2"
BDP1078 • 32" x 14"

Equalizer® Ricochet™

High-Impact Plastic Pinchweld Protection System

Invented by: Gilbert Gutierrez

Protecting the pinchweld when removing the glass has always been a problem for technicians. Every protector they used could not withstand repeated hits by a power tool blade and would jump out of the pinchweld, leaving the paint exposed to potential harm. Tape worked to some extent, but would not hold sufficient downward pressure to keep the pinchweld protector in place. The solution to this problem is our Ricochet™ Pinchweld Protection System. This system includes 4 different lengths of a high-impact plastic that will absorb repeated striking from the blade, and uses a vacuum hold-down tool to exert pressure to keep the pinchweld protector in place. There are many places where this will be useful, but most important are the vehicles that have no moulding around the glass. Even a small nick on those vehicles is easy to see from outside and can result in the need to have that part of the vehicle repainted. System includes: one 12", 18", 24", and 48" long pinchweld protectors, and 4 vacuum hold-down tools.

PHV859 • Ricochet™ Pinchweld Protection System
PHS814 • 12" Protector
PEL815 • 18" Protector
PTF816 • 24" Protector
PFE820 • 48" Protector
PHO813 • One Vacuum Cup

MCT720A

Equalizer® BounceBACK™

Metal Coated Pinchweld Protection System

Invented by: John Hutzel

BounceBACK™ is essentially the same product as the Ricochet™ but made out of a pliable metal, coated with impact absorbing tape. System includes: one 12", 18", 24", and 48" long, coated pinchweld protectors, and 4 vacuum cup hold-down tools. After extended use, the coating on the pinchweld protectors can become worn. When this happens you can remove the old coating and replace it with a fresh coating of impact absorbing tape. Tape sold seperately.

MDP181 • BounceBACK™ Pinchweld Protection System
MTI185 • 12" Protector
MET184 • 18" Protector
MTF183 • 24" Protector
MLP182 • 48" Protector
PHO813 • One Vacuum Cup
MCT720A • 2" Wide and 180' Long Tape

LB779 • Equalizer® Pumper™

Invented by: Eric Asbery

The thick band of urethane across the bottom of a windshield is difficult to cut from the outside of the automobile and must be cut free from the inside. Technicians sometimes use the top of their heads to push out on the top of the windshield as they cut across the bottom. The Equalizer® Pumper™ helps prevent neck injuries by utilizing an inflatable bag to push out on the glass for you. It exerts over two hundred pounds of outward pressure over a one-foot area. You will find it useful in any area where you want to exert constant outward pressure while cutting urethane. The Equalizer® Pumper™ is made with a tough, vinyl-encased exterior.

ESG735 • Safety Glasses

These impact-resistant safety glasses fit comfortably over most prescription eyewear. An advanced temple design holds well for extraordinary comfort. Adjustable eye pieces for maximum fit and comfort. Meets the ANZI 87.1 standard for primary eye protection.

Kool Safety Glasses

If you must wear safety glasses, then why not wear a nice looking pair? Our clear safety glasses are the same style that is included in our Equalizer® line of Auto Glass Cut-Out Knives. Our FGS132 pair is the same type, but with gray-tinted lenses. They meet the ANZI 87.1 standard for primary eye protection.

FSG130 • Clear Lenses
FGS132 • Gray Lenses

SAS Stingers Safety Glasses

Sleek, sporty, wraparound style lenses.

Are you having trouble getting your technicians to wear safety glasses? Try a pair of our SAS Stingers Safety Glasses and I am guessing your problem will be solved. With the look of sun glasses but the protection of safety glasses. They meet the ANZI 87.1 standard for primary eye protection.

JB1219 • Sunglasses, Blue Lenses
JC1220 • Clear Lenses

Equalizer® HEADLIGHTS™

What an idea...combine two items that every glass technician should not be without! The Equalizer® HEADLIGHTS™ are a pair of lightweight safety glasses combined with two ultra-bright LED lights, which burn longer and brighter than conventional bulbs. Each light has its own on/off switch and the batteries are replaceable. Equalizer® HEADLIGHTS™ are a safe, hands-free lighting solution. Includes four 3-Volt CR1632 batteries.

TW1442

CSH38 • Equalizer® Chums®

Sun and safety glasses holder

Equalizer® Chums® have a small diameter rubber tube inside the cotton fabric that holds the earpieces of the glasses. When you do not need your sunglasses or safety glasses, just drop them down around your neck and they are there when you need them again. A round friction slide allows you to set the length they will hang down around your neck. Made in USA.

Glasses Not Included

What Size Gloves Do You Wear?

If you do not know what size glove you wear then you can use this method to decide. This method works equally well for mechanic, anti-vibration and nitrile gloves.

Medium 8" to 9" • Large Gloves 9" to 10" • Extra Large Gloves 10" to 11"

Leather Full-Finger Anti-Vibration Gloves

Nylon mesh back gives you the flexibility to grip tools easily.

These are the highest quality anti-vibration gloves. They have Sorbothane® padding in the palm and Gel-Foam in the thumb, thumb-joint, and all fingers. They have a nylon mesh back and an elastic cuff both with a hook-and-loop closure tab.

RF1376 • Medium
RG1377 • Large
RH1378 • Extra Large

Full-Finger Mechanic's Gloves

Machine wash and dry

Some of the work an Auto Glass Technician does is delicate and could not possibly be done while wearing gloves, but a lot of the work is rough and leaves you prone to cuts, abrasions, and damage to your hands. Our Full-Finger Mechanic's Gloves have a stretch-knit padded back, synthetic leather palm, and elastic cuff with hook-and-loop closure.

RI1379 • Medium
RJ1380 • Large
RK1381 • Extra Large

LSG734 • Safety Gloves

These comfortable, protective gloves are crafted from cotton and leather. A unique leather strip is sewn across the top of the gloves to protect the knuckle area from injury. One size fits all.

LU1271 • Arm Protector Gloves

We would all like to put in windshields and never install a door glass, but unfortunately door glass installation is a part of our business. When you work inside doors you will always have cuts on your arms. The cutouts that allow you to access the inside of the door can sometimes be razor-sharp. Our Arm Protector Gloves are made of durable Kevlar® with a double wall of protection and will protect you from getting cut by these pieces of metal.

Kevlar® Gloves

Whether removing shattered windshields or just picking up a piece of glass, you need a pair of gloves that will hold the glass firmly. When a glass slips, that is when it cuts through gloves. These seamless knit gloves have a natural rubber coating for excellent wet or dry grip and are made of 7-gauge 100% Kevlar®. It is one of the most cut-resistant materials ever developed.

IZ1217 • Large
JA1218 • Extra Large

Black Nitrile Gloves

Chemical Resistant & Powder-Free

Nitrile gloves were originally used to handle glass and prevent contamination, but as technicians adjusted to them they have become standard apparel for technicians wishing to prevent exposure to the many chemicals used in our industry. Our Black Nitrile Gloves have textured fingertips which provides for precise handling of small items, are highly chemical and puncture resistant, and contain no MBT. They are Latex free, and powder-free and have unsurpassed comfort for extended wear. Tape and labels do not stick to or tear these gloves and they have no offensive odor. Made of 100% nitrile.

BNG418 • Box of 100 Gloves • Large
BNL820 • Box of 100 Gloves • Extra Large
BNX408 • Box of 100 Gloves • Extra Extra Large

IMPORTANT See top of previous page for size information

Blue Nitrile Gloves

Chemical Resistant & Powder-Free

Are your hands blackened or chapped from the harmful chemicals that you use every day? Protect yourself by wearing a pair of our powder-free Blue Nitrile Gloves. You can see and feel the difference in your hands. Made of 100% nitrile and are 100% latex-free. So thin that they do not interfere with anything you're working with.

CB1057 • Box of 100 Gloves • Large
CC1058 • Box of 100 Gloves • Extra Large
CXX1070 • Box of 50 Gloves • Extra Extra Large

EA665 • Equalizer® Apron

This is the easiest way to keep your clothes clean and you looking professional. This apron features tie straps that are long enough to reach around most installers. It has two pockets to hold anything you want to keep within easy reach. The apron is black to match the color of urethane and has a distinctive Equalizer® logo embroidered in red.

Back

Right Sleeve Detail

Equalizer® T-Shirt

The Equalizer® logo is silk-screened across the front of this 100% cotton shirt . Available in S to XXL.

ETS260

The Equalizer® Ball Cap

Features a Velcro® enclosure for easy adjustment.

ETS776

OPEN FOR BUSINESS

The Equalizer® Store
If you are a seller of auto glass or supplies to the auto glass industry and want a way to increase your business, then here is the perfect tool for you. It contains over 120 of Equalizer's best selling products. All of which are supplied in multiples that relate to their popularity. Two different models designed for efficiency with locking doors so nothing "walks off". One is four-sided on wheels so you can roll it to any location in your building, the other is a space saving model with 4 detachable flat panels that can be placed up against a wall. Each display is shipped completely stocked with egg crate foam inside to secure everything in place during shipping.

With over 300 Equalizer® Store Displays in distributor locations around the world it is already a proven seller of products. Set it in a prominent place in your warehouse and it will soon become your best salesperson.
Call for Details and Pricing

For Fast & Convenient Shopping -
Please contact your local distributor
about products in their Equalizer® Store

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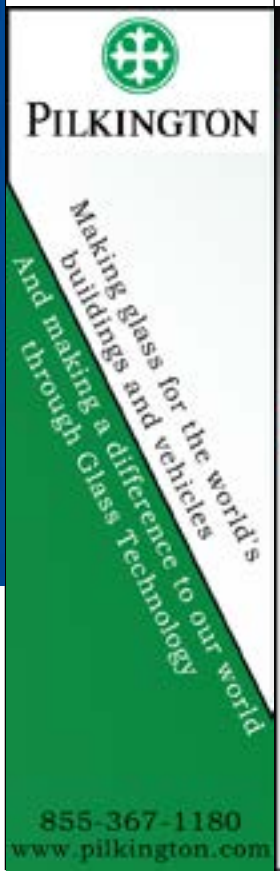
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